

**TENTATIVE AGENDA & MEETING NOTICE
BOARD OF COUNTY COMMISSIONERS**

**TUESDAY, OCTOBER 20, 2015
5:30 P.M.**

**WATAUGA COUNTY ADMINISTRATION BUILDING
COMMISSIONERS' BOARD ROOM**

TIME	#	TOPIC	PRESENTER	PAGE
5:30	1	CALL REGULAR MEETING TO ORDER		
	2	APPROVAL OF MINUTES: October 6, 2015, Regular Meeting October 6, 2015, Closed Session		1
	3	APPROVAL OF THE OCTOBER 20, 2015, AGENDA		9
5:30	4	PUBLIC HEARINGS TO ALLOW CITIZEN COMMENT ON PROPOSED AMENDMENTS TO THE FOLLOWING ORDINANCES: A. Ordinance to Regulate Wind Energy Systems B. Ordinance to Regulate High Impact Land Uses	MR. JOE FURMAN	11 25
5:35	5	WATAUGA COUNTY TOURISM DEVELOPMENT AUTHORITY (TDA) UPDATE	MR. WRIGHT TILLEY	45
5:40	6	DISC GOLF COURSE REQUEST	MR. RICH ROSENFELD	51
5:45	7	MEDIC BASE 3 BID AWARD	MR. ROBERT MARSH	99
5:50	8	VEHICLE BID AWARDS FOR SANITATION AND ANIMAL CONTROL VEHICLES	MR. J. V. POTTER	107
5:55	9	VEHICLE BID AWARD FOR NEW FIRE MARSHAL TRUCK	MR. JEFF VIRGINIA	109
6:00	10	MISCELLANEOUS ADMINISTRATIVE MATTERS A. Sheriff's Office Patrol Vehicle Equipment and Installation Bid Award B. Food Hub Proposal – Proposed Lease for Development of Food Hub in the Cooperative Extension/Maintenance Building C. Recommended Contract Awards for Employee Medical, Dental, and Life Insurance D. November Meeting Schedule E. Boards and Commissions F. Announcements	MR. DERON GEOUQUE	131 153 157 161 163 167
6:05	11	PUBLIC COMMENT		168
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7:10	13	CLOSED SESSION Attorney/Client Matters – G. S. 143-318.11(a)(3) Land Acquisition G. S. 143-318.11(a)(5)(i)		168
7:25	14	POSSIBLE ACTION AFTER CLOSED SESSION		168
7:30	15	ADJOURN		

AGENDA ITEM 2:

APPROVAL OF MINUTES:

October 6, 2015, Regular Meeting

October 6, 2015, Closed Session

DRAFT**MINUTES****WATAUGA COUNTY BOARD OF COMMISSIONERS
TUESDAY, OCTOBER 6, 2015**

The Watauga County Board of Commissioners held a regular meeting, as scheduled, on Tuesday, October 6, 2015, at 8:30 A.M. in the Commissioners' Board Room of the Watauga County Administration Building, Boone, North Carolina.

PRESENT: Jimmy Hodges, Chairman
David Blust, Vice-Chairman
Billy Kennedy, Commissioner
John Welch, Commissioner
Perry Yates, Commissioner
Kimberly Eggers, County Attorney
Deron Geouque, County Manager
Anita J. Fogle, Clerk to the Board

Chairman Hodges called the meeting to order at 8:30 A.M.

Commissioner Yates opened the meeting with a prayer and Commissioner Welch led the Pledge of Allegiance.

APPROVAL OF MINUTES

Chairman Hodges called for additions and/or corrections to the September 15, 2015, regular meeting and closed session minutes.

Commissioner Kennedy, seconded by Commissioner Yates, moved to approve the September 15, 2015, regular meeting minutes as presented.

VOTE: Aye-5
Nay-0

Proposed amendments to the closed session minutes were presented to the Board for consideration.

Commissioner Kennedy, seconded by Commissioner Yates, moved to approve the September 15, 2015, closed session minutes as amended.

VOTE: Aye-5
Nay-0

APPROVAL OF AGENDA

Chairman Hodges called for additions and/or corrections to the October 6, 2015, agenda.

Commissioner Yates, seconded by Commissioner Welch, moved to approve the October 6, 2015, agenda as presented.

VOTE: Aye-5
Nay-0

[Clerk's Note: Due to technical difficulties with the electronic presentation for AppalCART; the Food Hub Proposal was presented first.]

FOOD HUB PROPOSAL - DEVELOPMENT OF FOOD HUB IN THE COOPERATIVE EXTENSION/MAINTENANCE BUILDING

Ms. Carol Coulter, Blue Ridge Women in Agriculture (BRWIA), presented a proposal to lease space in the County's Cooperative Extension/Maintenance building. The purpose is to create a food hub which would support local farmers and community gardens by providing much needed storage space for frozen and dry goods. Rent is proposed to be one dollar (\$1) per year with subleases to be approved by the Board. BRWIA will provide funding for the up fit of the space and pay a portion of the utilities associated with the space. Ms. Coulter stated that the request was originally for a twenty-five (25) year term; however, due to North Carolina General Statutes BRWIA understood that the lease needed to be less than ten (10) years.

The County's Maintenance Department would relocate items currently stored in the requested space to the old AppalCART facility which was recently awarded to the County.

Property owned by the County may be leased or rented for such terms and upon such conditions as the Board may determine, for up to ten (10) years. Property may be rented or leased only pursuant to a resolution of the Board authorizing the execution of the lease or rental agreement adopted at a regular Board meeting upon 10 days' public notice. Notice shall be given by publication describing the property to be leased or rented, stating the annual rental or lease payments, and announcing the Board's intent to authorize the lease or rental at its next regular meeting.

Commissioner Yates, seconded by Commissioner Welch, moved to adopt the resolution authorizing the execution of a lease after a ten day notice of intent to approve the lease at the next regular meeting.

VOTE: Aye-5
Nay-0

APPALCART MATTERS

A. Introduction of New Director and AppalCART Update

Mr. Craig Hughes, AppalCART Director, introduced himself and provided an update on AppalCART matters. Mr. Hughes highlighted the economic benefits of public transportation as shown through a study provided by the Institute of Transportation Research and Education (ITRE). Mr. Hughes also demonstrated NextBus which is a real-time passenger information

system that AppalCART has been using since June. The system allows passengers to receive real-time information on the estimated arrival time of their bus and to see the location of the bus by utilizing the map feature through AppalCART's website.

The presentation was for information only.

B. Proposed Rural Operating Assistance Program (ROAP) Grant for FY 2016

Mr. Hughes reviewed the North Carolina Department of Transportation Rural Operating Assistance Program (ROAP) grant application for Watauga County. County governments are the only eligible applicants for ROAP funds and must submit an annual application to receive the funds. Mr. Hughes reviewed the application, which totaled \$142,343, and stated that a public hearing is not required this year. No County match is required.

Commissioner Kennedy, seconded by Commissioner Welch, moved to authorize the submission of the Rural Operating Assistance Program Grant Application as presented.

VOTE: Aye-5
Nay-0

PROPOSED MEMORANDUM OF UNDERSTANDING (MOU) WITH THE NORTH CAROLINA WILDLIFE RESOURCES COMMISSION

County Manager Geouque presented a proposed Memorandum of Understanding (MOU) for consideration between the County and the North Carolina Wildlife Resources Commission for the Pine Run River Access. The MOU details the responsibilities of both the County and the Commission regarding the access. The County would be responsible for maintaining the grounds surrounding the site which would include weed eating and trash removal. Trash removal should be minimal as trash receptacles will not be placed at the facility. The County previously approved an encroachment agreement for the access with the North Carolina Department of Transportation.

Commissioner Kennedy, seconded by Commissioner Welch, moved to approve the Memorandum of Understanding between the County and the North Carolina Wildlife Resources Commission for the Pine Run River Access as presented.

VOTE: Aye-5
Nay-0

PARKS AND RECREATION OUT-OF-STATE TRAVEL REQUESTS

Mr. Stephen Poulos, Parks and Recreation Director, presented two of out-of-state travel request. The first request is for Mr. Poulos to attend the Carolina Recreation and Parks Association's 2015 Carolinas Joint Conference in Myrtle Beach, South Carolina. The second request is for Ms. Keron Poteat, Recreation Specialist II, to attend the 2015 Special Olympics North America

National Tennis Championships Hilton Head Island, SC. Mr. Poulos stated that there would be no costs to the County other than their time.

Commissioner Kennedy, seconded by Commissioner Yates, moved to approve the out-of-state travel requests for both Stephen Poulos and Keron Poteat as presented.

VOTE: Aye-5
Nay-0

REQUEST FOR PUBLIC HEARING TO ALLOW CITIZEN COMMENT ON PROPOSED AMENDMENTS TO THE FOLLOWING ORDINANCES:

- A. Ordinance to Regulate Wind Energy Systems*
- B. Ordinance to Regulate High Impact Land Uses*

Mr. Joe Furman, Planning & Inspections Director, presented amendments to the High Impact Land Use (HILU) and Wind Energy Systems Ordinances as directed by the Planning Board. Buffers and setbacks were reviewed regarding the HILU Ordinance and procedural changes for hearings and permitting for the Wind Energy Systems were examined. Mr. Furman requested a public hearing be scheduled if the Board wished to consider the proposed amendments.

Commissioner Kennedy, seconded by Vice-Chairman Blust, moved to schedule a public hearing for both ordinances on October 20, 2015, at 5:30 P.M. in the Commissioners' Board Room.

VOTE: Aye-5
Nay-0

VEHICLE BID AWARD FOR NEW FIRE MARSHAL TRUCK

Mr. Jeff Virginia, Emergency Services Director, presented the following bids for the purchase of a new Fire Marshal vehicle.

Mack Brown Chevrolet	\$38,185.95	(emergency equipment not included)
Discovery Chevrolet	\$32,212.00	(emergency equipment not included)
State Contract	\$27,790.00	(emergency equipment not included)
Ashe County Ford	\$26,869.00	(emergency equipment not included)
Ross Chrysler	\$51,840.00	(emergency equipment not included)
Light-N-Up, LLC	\$30,735.00	(emergency equipment included)
Bobby Jones Ford	\$30,190.38	(emergency equipment and installation included; delivery charge (\$360) and color charge (\$425) for red vehicle not included)

Mr. Virginia requested the bid be awarded to Bobby Jones Ford in the amount of \$31,527.10 which includes taxes, tag, and emergency equipment (installed) for a new red 2016 Ford F250.

Chairman Hodges tabled the matter to allow for further review of the bids with breakouts showing the amounts of equipment and installation for each bid.

TAX MATTERS

A. Monthly Collections Report

County Manager Geouque presented the Tax Collections Report for the month of September 2015. This report was presented for information only and, therefore, no action was required.

B. Refunds and Releases

The County Manager presented the Refunds and Releases Report for September 2015 for Board approval:

TO BE TYPED IN MINUTE BOOK

Commissioner Kennedy, seconded by Vice-Chairman Blust, moved to approve the Refunds and Releases Report for September 2015, as presented.

VOTE: Aye-5
Nay-0

COMMISSIONER UPDATE

Commissioner Kennedy updated the Board on mental health issues and stated that Daymark Recovery Services, the County's Local Management Entity (LME), was outperforming other LME's across the state. Commissioner Kennedy warned that budget cuts proposed by the State could drive up the costs for emergency rooms, social services, and jails.

MISCELLANEOUS ADMINISTRATIVE MATTERS

A. Proposed Easement for Frontier Gas

County Manager Geouque stated that Frontier Natural Gas had requested the County grant two easements so that they may service the Hospitality House with natural gas. One easement is a permanent ten foot (10') wide right of way and easement and the other is a temporary thirty-five foot (35') temporary work space which would expire six (6) months upon completion of construction of the pipeline. There would be no cost for the Hospitality House to connect to the gas system or for the running of the lines to the facility. The County Manager stated that Frontier Natural Gas also planned to have the availability to connect the County's Detention Center to the system within a five to seven year period.

Commissioner Yates, seconded by Commissioner Welch, moved to grant the two easements to Frontier Natural Gas as presented.

VOTE: Aye-5
Nay-0

B. Boards and Commissions

Watauga County Board of Adjustment

County Manager Geouque stated that Mr. Adam Rhyne's term expires in November. He is willing to continue to serve if so reappointed. It is a three-year term. This was a first reading and, therefore, no action was taken.

C. Announcements

County Manager Geouque announced the following:

- A Household Hazardous Waste Day will be held for Watauga County Citizens from 9:00 A.M. until 2:00 P.M. on Saturday, October 10, 2015, at the Watauga County Sanitation Department located on Landfill Road.
- Operation Medicine Cabinet will be held on Saturday, October 10, 2015, from 10:00 A.M. until 2:00 P.M. All prescription and over-the-counter medications will be accepted for disposal with no questions asked. This event will take place at Foscoe Volunteer Fire Department and the three Food Lions (located in Boone, Blowing Rock, and Deep Gap). There is a permanent drop box available at the Watauga County Sheriff's Office.
- The afternoons of October 14, 15, 19, and 22 are available to schedule tours of The Foley Center at Chestnut Ridge, Appalachian Regional Healthcare System's new post-acute care facility that will open next summer. Construction is now 60% complete.

By consensus, the Board directed the County Manager to arrange the tour on October 19, 2015.

PUBLIC COMMENT

There was no public comment.

CLOSED SESSION

At 9:45 A.M., Commissioner Welch, seconded by Commissioner Yates, moved to enter Closed Session to discuss Attorney/Client Matters, per G. S. 143-318.11(a)(3), Land Acquisition, per G. S. 143-318.11(a)(5)(i), and Personnel Matters, per G. S. 143-318.11(a)(6).

VOTE: Aye-5
Nay-0

Commissioner Welch, seconded by Commissioner Yates, moved to resume the open meeting at 10:33 A.M.

VOTE: Aye-5
Nay-0

ADJOURN

Chairman Hodges adjourned the meeting at 10:33 A.M.

Jimmy Hodges, Chairman

ATTEST:
Anita J. Fogle, Clerk to the Board

AGENDA ITEM 3:

APPROVAL OF THE OCTOBER 20, 2015, AGENDA

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AGENDA ITEM 4:

PUBLIC HEARINGS TO ALLOW CITIZEN COMMENT ON PROPOSED AMENDMENTS TO THE FOLLOWING ORDINANCES:

A. Ordinance to Regulate Wind Energy Systems

MANAGER’S COMMENTS:

Per Board direction, a public hearing has been scheduled to allow public comment on the proposed changes by the Planning Board to the Wind Energy Systems Ordinance. Procedural changes for hearings and permitting for the Wind Energy Systems were examined. Changes to the ordinance are indicated by line-throughs and red ink.

Upon completion of the hearing, the Board may adopt the changes as presented, table action for a future meeting, or schedule a work session.

Staff seeks direction from the Board.



Ordinance to Regulate Wind Energy Systems

Watauga County, NC

Adopted August 7, 2006
Amended February 18, 2014
Amended _____, 2015

WATAUGA COUNTY ORDINANCE TO REGULATE WIND ENERGY SYSTEMS

Section 1 Authority and Purpose

Inasmuch as Watauga County has determined that single wind power turbines are exempt from the North Carolina Mountain Ridge Protection Act, and pursuant to the authority granted to counties by NC General Statute 153A-121 et seq. and other pertinent statutes and amendments thereto, it is the purpose of this ordinance to regulate the use of wind energy systems and to describe the conditions by which a permit for installing a system could be obtained.

Section 2 Findings

Wind power is a clean, inexhaustible, reliable, and economical source of energy that can help us reduce our dependence on fossil fuels, help to preserve and protect the environment, and help to create new jobs and sustainable forms of development. As a result of these benefits, wind power has become the fastest growing energy source in the world and is helping to satisfy the growing demand for electricity cleanly and affordably.

The State of North Carolina has enacted a number of laws and programs to encourage the use of small-scale renewable energy systems including a state tax credit, net metering law, property tax exemptions, and a state wide green power program.

Section 3 Definitions

Large Wind Energy System: A wind energy conversion system consisting of one or more wind turbine(s), a tower(s), and associated control or conversion electronics, which has a rated capacity of more than 20 kW.

Small Wind Energy System: A wind energy conversion system consisting of a single wind turbine, a tower, and associated control or conversion electronics, which has a rated capacity of not more than 20 kW. Multiple systems located on agricultural farms as defined in the Watauga County High Impact Land Use Ordinance are also considered small wind energy systems even if the aggregate kW exceeds 20, provided the primary intent is to generate power to reduce on-site consumption.

Wind Turbine Height: The height above grade to the tip of the turbine blade when it reaches its highest elevation.

Section 4 Small Wind Energy Systems

Small wind energy systems shall be a permitted use by right subject to the requirements set forth in this section:

4.1. Wind Turbine Height: Height shall be limited to 135 feet.

4.2. Setback: The base of the wind turbine shall not be closer to surrounding property lines than the height of the wind turbine unless a NC Registered Professional Engineer certifies the fall zone of the wind turbine and appurtenances will be within the setback area proposed. In addition, no wind turbine shall be located closer to an inhabited structure on adjacent property than 1.5 times the height of the wind turbine. Relief from this section may be granted if the applicant can secure a permanent easement from the adjoining property owner(s) providing for a fall zone.

4.3. Building Permit Requirements: A building permit shall be required and building permit applications for small wind energy systems shall be accompanied by standard drawings of the wind turbine structure, including the tower, base, and footings. An engineering analysis of the tower certified by a licensed professional engineer including standards for ice/wind loading shall also be submitted. This analysis may be supplied by the manufacturer. Wet stamps shall not be required.

4.4. Compliance with FAA Regulations: Small wind energy systems must comply with applicable FAA regulations, including any necessary approvals for installations close to airports. Evidence of compliance or non-applicability shall be submitted with the application.

4.5. Utility Notification: No small wind energy system shall be installed until evidence has been given that the utility company has been informed of the customer's intent to install an interconnected customer-owned generator. Off-grid systems shall be exempt from this requirement.

4.6. Appearance: Small wind energy towers shall maintain a galvanized finish or be painted to conform the tower color to the surrounding environment to reduce visual obtrusiveness. No wind tower should have any signage, or writing or pictures that may be construed as advertising placed on it at any time. In addition no flags, streamers or decorative items may be attached to the wind energy system tower or turbine.

4.7. Removal of Defective or Abandoned Wind Energy Systems: Any wind energy system that is not functional shall be repaired by the owner or removed. In the event that the County becomes aware of any wind energy system that is not operated for a continuous period of 6 months, the County will notify the landowner by registered mail and provide 45 days for a written response. In such a response, the landowner shall set forth reasons for the operational difficulty and provide a reasonable timetable for corrective action. If the County deems the timetable for corrective action as unreasonable, the County shall notify the landowner and such landowner shall remove the turbine with 120 days of receipt of said notice.

Section 5 Large Wind Energy Systems

Large wind energy systems shall be a use permitted by review subject to the requirements of this Section 5 as well as Section 4, except that the height limits in 4.1 may be increased if approved as necessary by the ~~Planning Board~~ **Board of Adjustment**

5.1. Permit Application: A person seeking a site permit for a wind turbine over 20 KW shall file an application with the County ~~Planning Board~~ for review. The application must provide the following background information regarding the applicant:

- (1) A letter of transmittal signed by an authorized representative or agent of the applicant.
- (2) The complete name, address, telephone number, and e-mail address of the applicant and any authorized representative.
- (3) The signature of the person who prepared the application, if prepared by an agent or consultant of the applicant.
- (4) The role of the permit applicant in the construction and operation of the wind power project.
- (5) The identity of any other wind power project located in the State in which the applicant, or a principal of the applicant, has an ownership or other financial interest; the operator of the wind power project if different from the applicant; and the name of the person or persons to be the permittee if a site permit is issued.

(a) The applicant shall state in the application whether a certificate of public convenience and necessity for the system is required from the North Carolina Utilities Commission and, if so, the anticipated schedule for obtaining the certificate. The County may ask the Utilities Commission to determine whether a certificate of public convenience and necessity is required for a particular wind power project for which the County has received a site permit application. The County shall not approve a project requiring a certificate unless and until such certificate is issued by the Utilities Commission. If a certificate is not required from the Utilities Commission, the permit applicant shall include with the application a discussion of what the applicant intends to do with the power that is generated.

(b) The applicant shall describe in the application how the proposed wind power project furthers State policy to site such projects in an orderly manner compatible with environmental preservation, sustainable development, and the efficient use of resources.

(c) The permit applicant shall include the following information about the site proposed for the wind power project and any associated facilities:

- (1) The surveyed boundaries of the site proposed for the wind power project.
- (2) The location of other wind turbines in the general area of the proposed wind power project.
- (3) The applicant's land rights within the boundaries of the proposed site.

(d) The permit applicant shall provide the following information regarding the design of the proposed wind power project:

- (1) A project layout, prepared by a design professional, including a map showing the proposed location of the turbine(s).
- (2) A description of the turbine(s) and tower(s) and other equipment proposed to be used in the wind power project, including the name of the manufacturers of the equipment.
- (3) A description of the project electrical system, including transformers at both low voltage and medium voltage.
- (4) A description and location of associated facilities.

(e) An applicant for a site permit shall include with the application an analysis of the potential impacts of the wind power project, proposed mitigative measures, and any adverse environmental effects that cannot be avoided, in the following areas:

- (1) Demographics, including people, homes, and businesses.
- (2) Noise.
- (3) Visual impacts.
- (4) Public services and infrastructure
- (5) Cultural and archaeological impacts.
- (6) Recreational resources.
- (7) Public health and safety, including air traffic, electromagnetic fields, and security and traffic.
- (8) Hazardous materials.
- (9) Land-based economics, including agriculture, forestry, and mining.
- (10) Tourism and community benefits.
- (11) Topography.
- (12) Soils.
- (13) Geologic and groundwater resources.
- (14) Surface water and floodplain resources.
- (15) Wetlands.
- (16) Vegetation.
- (17) Avian, impact assessment that includes an indication of the type and number of birds that are known or suspected to use a project site and the area surrounding that site.
- (18) Wildlife.
- (19) Rare and unique natural resources.

(f) The permit applicant shall describe all of the following:

- (1) The manner in which the wind power project, including associated facilities, will be constructed.
- (2) How the wind power project will be operated and maintained after construction, including a maintenance schedule.

- (3) The anticipated schedule for completion of the wind power project, and shall identify the expected date of commercial operation.
- (4) The energy expected to be generated by the wind power project.

(g) The permit applicant shall include the following information regarding decommissioning of the wind power project and restoring the site:

- (1) The anticipated life of the wind power project.
- (2) The estimated decommissioning costs in current dollars.
- (3) The method and schedule for updating the costs of decommissioning and restoration.
- (4) The method of ensuring that funds will be available for decommissioning and restoration.
- (5) The anticipated manner in which the wind power project will be decommissioned and the site restored.

(h) The permit applicant shall include in the application a list of all known federal, state, and local agencies or authorities, and titles of the permits they issue that are required for the proposed wind power project.

(i) Blue Ridge Parkway: If a proposed wind energy site is within the Blue Ridge Parkway viewshed the applicant shall inform the National Park Service of the proposed wind turbine siting. Park Service recommendations shall be given reasonable consideration and documentation of this consideration shall be provided to the County. The Park Service shall be afforded 30 days to respond to the applicant's written intention to erect a wind turbine. No answer to the notification within the 30 days shall be considered as an affirmation of the site as proposed. Viewshed shall be determined by the County using maps and documents prepared for that purpose by the Design Research Laboratory at NC State University and the Blue Ridge Parkway Division of Resource Planning and Professional Services.

5.2. ~~Hearing~~ **Special Use Permit Required:** Prior to granting or denying a permit for a large wind energy system, the ~~Planning Board~~ **Board of Adjustment** shall conduct a public hearing **as set forth in Section 6**. ~~The purpose of the hearing shall be to receive comments and information pertinent to the issues listed in this section. Comments and information not pertinent shall not be considered.~~

~~Following the hearing, the Planning Board shall render a decision on the application based upon the following considerations:~~

- ~~1. Completeness of the application;~~
- ~~2. Compliance with applicable State and Federal regulations;~~
- ~~3. Compliance with all applicable development standards specified in this ordinance;~~
- ~~4. Compliance with other applicable County regulations;~~
- ~~5. The proposed large wind energy system is a desirable and/or necessary use, particularly considering the standards included in this ordinance;~~
- ~~6. The proposed large wind energy system is properly related to other uses and transportation and other public facilities in the vicinity;~~
- ~~7. The proposed large wind energy system would not adversely affect the health or safety of persons living or working in the vicinity, or be detrimental to the public welfare.~~

5.3 ~~High Impact Land Use Ordinance:~~ Stand-alone large wind power systems which generate electricity solely for consumption by consumers off site shall also be subject to the Watauga County High Impact Land Use Ordinance.

Section 6 Appeals, Special Use Permits, and Variances

6.1. Board of Adjustment: The Watauga County Board of Adjustment shall hear all appeals, requests for variances, and all challenges to the decision or interpretation of the Ordinance Administrator.

6.2. Board of Adjustment Powers: The Board shall have the following powers:

- (a) To hear and decide appeals from any final binding order, requirement, or determination made by the Ordinance Administrator charged with enforcement of the ordinance; and
- (b) To hear and decide applications for variances from the requirements of this Ordinance in accordance with Section 6.5. Nothing in this Section shall be construed to broaden the power of the Board to permit a use by variance beyond that power given in Section 6.5 below.

6.3. Administration: The Board shall adopt rules of procedures and regulations for the conduct of its affairs.

All meetings of the Board shall be open to the public. The Board shall keep a record of its meetings, including of the vote of each member on every question, a fair and accurate summary of the evidence submitted to it, the documents (or accurate copies thereof) submitted to it and of all official actions. The Board shall give due notice of matters coming before it.

In presenting an appeal, the petitioner shall bear the burden of proof, which shall be by the greater weight of the evidence.

All evidence presented to the Board of Adjustment shall be sworn.

The person acting as Chairman of the Board and the Clerk of the Board are authorized to administer oaths to any witnesses in any matter coming before the Board.

Application for variances and appeals for review of decisions of the Ordinance Administrator shall be filed with the County Clerk.

It shall be the responsibility of the Ordinance Administrator to notify the applicant or appellant of the disposition which the Board makes of any matter before it.

It shall be the responsibility of the Ordinance Administrator to issue a permit in accordance with the Board's action on an appeal or application, if a permit is authorized by the Board action.

6.4. Quorum and Vote Required: A concurring vote of a simple majority of the members shall be required to decide upon all matters to come before the board. For the purposes of the subsection, vacant positions on the board and members who are disqualified from voting shall not be considered members of the board for calculation of the requisite majority.

~~6.5. Board of Commissioners: Upon application by an aggrieved party with standing, the Watauga County Board of Commissioners shall hear and decide upon appeals of a Planning Board decision in accordance with procedures outlined in Section 6.3. The Board of Commissioners shall conduct a *de novo* review and render a decision affirming, reversing, remanding or modifying the decision of the Planning Board.~~

6.65. Application of Variance Power: When unnecessary hardships would result from strict application of the ordinance, upon application by an aggrieved party with standing, the Board of Adjustment may hold a hearing pursuant to NCGS §160A-388 (a2) and may grant variances to the provisions of the ordinance in accordance with the standards and procedures established in NCGS §160A-388(d), and as established by County policy.

The Board may impose reasonable conditions upon granting of any variance in order to protect the public interest or neighboring property owners. Violation of any such conditions shall be a violation of this ordinance and subject to the penalties set forth in Section 7 of this ordinance.

6.76. Application of Interpretation Power: An appeal from an order, requirement, or decision of the Ordinance Administrator shall be decided by the Board duly supported by competent evidence. In exercising this power, the Board shall act in a prudent manner so that the purposes and intent of the Ordinance shall be served. No decision shall have the effect of varying the terms of the Ordinance or permitting as a matter of right any use otherwise limited or prohibited hereunder.

6.87. Appeal Stays Further Proceedings: An appeal to the Board of Adjustment from a decision or determination of the Ordinance Administrator stays all proceedings in furtherance of the decision or determination appealed from, except as provided in Section 6.9, during the pendency of the appeal.

6.98. Exceptions to Stay of Action: An appeal to the Board of Adjustment from a decision or determination of the Ordinance Administrator shall not stay proceedings in furtherance of the decision or determination appealed from, if the Ordinance Administrator certifies either:

- (a) That a stay would cause imminent peril to life or property; or
- (b) That the situation subject to the appeal is transitory in nature and therefore, an appeal would seriously interfere with enforcement of this Ordinance.

In each instance, the Ordinance Administrator shall set forth in the certificate facts to support its conclusion.

6.9. Application of Special Use Permit Power:

- a. An application for a special use permit shall be submitted to the Board of Adjustment by filing a copy of the application with the Ordinance Administrator.
- b. Subject to subsection (c), the Board of Adjustment shall issue the requested permit unless it concludes, based upon the information submitted at the hearing, that:
 - (1) The requested permit is not within its jurisdiction, or
 - (2) The application is incomplete, or
 - (3) If completed as proposed in the application, the development will not comply with one or more requirements of this Ordinance (not including those the applicant is not required to comply with under the circumstances specified in Article III, Pre-Existing High Impact Land Uses).
- c. Even if the Board finds that the application complies with all other provisions of this chapter, it may still deny the permit if it concludes, based upon the information submitted at the hearing, that if completed as proposed, the development, more probably than not:
 - (1) Will materially endanger the public health or safety, or
 - (2) Will substantially injure the value of adjoining or abutting property, or

- (3) Will not be in harmony with the area in which it is to be located, or
 - (4) Will not be in general conformity with the land-use plan, thoroughfare plan, or other plan officially adopted by the Board of Commissioners.
- d. The Board shall consider whether the application is complete. If the Board concludes that the application is incomplete and the applicant refuses to provide the necessary information, the application shall be denied. A motion to this effect shall specify either the particular type of information lacking or the particular requirement with respect to which the application is incomplete. A motion to this effect, concurred in by a majority of the Board, shall constitute the Board's finding on this issue. If a motion to this effect is not made and concurred in by a majority of members, this shall be taken as an affirmative finding by the Board that the application is complete.
- e. The Board shall consider whether the application complies with all of the applicable requirements of this Ordinance. If a motion to this effect passes by a majority of members, the Board need not make further findings concerning such requirements. If such a motion fails to receive the majority vote or is not made, then a motion shall be made that the application be found not in compliance with one or more requirements of this chapter. Such a motion shall specify the particular requirements the application fails to meet. A separate vote may be taken with respect to each requirement not met by the application. It shall be conclusively presumed that the application complies with all requirements not found by the Board to be unsatisfied through this process. As provided in Subsection 9 (c) if the Board concludes that the application fails to meet one or more of the requirements of this section, the application shall be denied.
- f. If the Board concludes that all such requirements are met, it shall issue the permit unless it adopts a motion to deny the application for one or more of the reasons set forth in Subsection 9 (c). Such motion shall propose specific findings, based upon the evidence submitted, justifying such a conclusion and is carried by a simple majority vote.
- g. Subject to Subsection (h), in granting a special use permit, the Board of Adjustment may attach to the permit such reasonable requirements in addition to those specified in this chapter as will ensure that the development in its proposed location:
- (1) Will not endanger the public health or safety,
 - (2) Will not injure the value of adjoining or abutting property,
 - (3) Will be in harmony with the area in which it is located, and
 - (4) Will be in conformity with the land-use plan, thoroughfare plan, or other plan officially adopted by the Board of Commissioners.

- h. The Board may not attach additional conditions that modify or alter the specific requirements set forth in this ordinance unless the development in question presents extraordinary circumstances that justify the variation from the specified requirements.
- i. Without limiting the foregoing, the Board may attach to a permit a condition limiting the permit to a specified duration.
- j. All additional conditions or requirements shall be entered on the permit.
- k. All additional conditions or requirements authorized by this Section are enforceable in the same manner and to the same extent as any other applicable requirements of this Ordinance.
- l. A vote may be taken on application conditions or requirements before consideration of whether the permit should be denied for any of the reasons set forth in Subsections (b) or (c).

6.10. Appeals of Board Actions: Every decision of the Board of Adjustment ~~or Board of Commissioners~~ shall be subject to review at the instance of any aggrieved party in the Superior Court by proceedings in the nature of a petition for writ of certiorari. Such proceedings in the Superior Court shall be initiated within thirty (30) days of the filing of the decision in the office of the Ordinance Administrator or the delivery of the notice required in Section 6.3, whichever is later. Appeals not received within this thirty (30) day period are not timely. The Superior Court is authorized to stay enforcement of this ordinance during the pendency of an appeal from the decision of the Board of ~~Commissioners~~ Adjustment upon a hearing and the posting of a bond sufficient to the Court which will adequately protect the interests of the County.

Section 7 Enforcement and Penalties

7.1. Administration and Enforcement: The Ordinance Administrator shall be responsible for the administration and enforcement of this ordinance.

If the Ordinance Administrator shall determine that any of the provisions of this ordinance are being violated, he shall notify in writing the person responsible for such violation, indicating the nature of the violation and ordering the action necessary to within ten (10) working days correct the violation. He may order the discontinuance of illegal use of land, buildings, or structures; the removal of illegal buildings or structures or of addition, alterations, or structural changes thereto; the discontinuance of any illegal work being done; and may take any other action authorized by this ordinance to insure compliance with, or to prevent violation of, its provisions.

7.2. Conflict with Other Laws: Wherever the provisions or application of this ordinance impose higher standards than are required in any other local ordinance or regulation, the provisions or application of this ordinance shall govern. Wherever the provisions of any other statute or local ordinance or regulation impose higher standards than are required by the provisions or application this ordinance, the provisions of such other statute or local ordinance or regulation shall govern.

7.3. Penalties: Any person, firm or corporation who violates any provision of any article of this ordinance; or who shall violate or fail to comply with any order made hereunder; or who shall continue

to work upon any structure after having received written notice from the Ordinance Administrator to cease work, shall, upon conviction, be guilty of a Class 3 misdemeanor as provided by N.C.G.S. § 14-4 and shall be punishable by a fine not to exceed fifty (\$50.00) dollars, or imprisonment not to exceed twenty days. Each day such violation shall be permitted to exist shall constitute a separate offense. Notice of violation shall be sufficient if directed to the owner, the agent of the owner, or the contractor and left at his known place of residence or place of business. In lieu of or in addition to the criminal penalties outlined above, each person violating this ordinance shall be subject to a civil penalty, under N.C.G.S. 153A-123(c), in the amount of \$200.00 per day. No penalty shall be assessed prior to notice to the violator. For every day a violator is in violation of this ordinance, it shall be considered a separate offense. If the violator does not pay such penalty within 30 days of notification of its assessment by written citation it and any subsequently accruing penalty may be recovered by the County in a civil action in the nature of a debt. Any contest of said penalty shall be by appropriate action taken in the General Court of Justice for Watauga County.

7.4. Severability Clause: Should any section or provisions of this ordinance be declared by the courts to be unconstitutional or invalid, such decision shall not affect the validity of this ordinance as a whole, or any part hereof other than the part so declared to be unconstitutional or invalid.

7.5. Ordinance Amendments: This Ordinance may be amended by the Board of Commissioners following a public hearing on the proposed changes. The Board shall cause notice of the hearing to be published once a week for two successive calendar weeks. The notice shall be published the first time not less than 10 days nor more than 25 days before the date fixed for the hearing. In computing such period, the day of publication is not to be included but the day of the hearing shall be included.

Should any Federal or State regulation or statute incorporated herein by reference or otherwise referred to herein, be changed or amended, or should either require or mandate a different procedure or change or impose new, different or additional requirements, then, in that event, this ordinance shall be deemed to have been amended without further action to have complied with such new, additional or amended requirements.

APPENDIX

To: Watauga County Planning Board Members
 From: Andrea N. Capua, Esq., di Santi Watson Capua & Wilson
 Re: Legal Memorandum
 Date: May 15, 2006

Facts: Watauga County is known to be an area with an abundant wind resource. As a result, there has been recent efforts by its citizens to promote the use of wind turbines as a source of alternative energy. A legitimate question has been raised as to whether a landowner wishing to erect a single wind turbine on his or her property could do so legally, without the need to obtain a county building permit. In the wake of growing issues related to energy and the future of oil, local authorities are encouraged to take their own initiative to make way for renewable energy policies. The Watauga County Board of Commissioners has voted to support the use of single wind turbines. It is, therefore, considering enacting an ordinance as an attempt to address issues which may arise from their use.

Issue: Whether wind turbines (“windmills”) are exempt from the North Carolina Mountain Ridge Protection Act (the “Ridge Law”).

Conclusion: Windmills are exempt from the North Carolina Mountain Ridge Protection Act. This memo is limited to a brief legal analysis of single wind turbines. It does not address legal rights to the use of wind turbines which are part of a large wind farm.

I. General History of the Ridge Law

In July 1983 the North Carolina General Assembly enacted the Mountain Ridge Protection Act (the “Ridge Law”). The legislature stated both aesthetic and non-aesthetic purposes being primarily to protect structures from high winds and destruction by fire, to protect against the effects of water erosion, and to preserve the natural beauty of the mountains.

The Ridge Law provided three options for counties to regulate the construction of tall buildings or structures on protected mountain ridges: (1) accept statutory imposed construction height restrictions on mountain ridges (N.C. Gen. Stat. §113A-209); (2) adopt their own restrictions (N.C. Gen. Stat. §113A-208); or (3) opt out of having any restrictions (N.C. Gen. Stat. §113A-214). Watauga County chose to accept the statutory imposed restrictions as outlined in §113A-209 of the Ridge Law.

II. Relevant Definitions within the Ridge Law

The Ridge Law specifically includes the following definitions:

“Protected mountain ridges” are defined as “all mountain ridges whose elevation is 3,000 feet and whose elevation is 500 or more feet above the elevation of an adjacent valley floor” (N.C. Gen. Stat. §113A-206 (6)).

“Tall buildings or structures” are defined to include “any building, structure or unit within a multiunit building with a vertical height of more than 40 feet measured from the top of the foundation of said building, structure or unit and the uppermost point of said building, structure or unit... and no such building structure or unit shall protrude at its uppermost point above the crest of the ridge by more than 35 feet,” (N.C. Gen Stat. §113A-206 (3)).

The definition of tall buildings or structures specifically excludes “**structures of a relatively slender nature** and minor vertical projections of a parent building, including chimneys, flagpoles, flues, spires, steeples, belfries, cupolas, antennas, poles, wires, **or windmills.**” (emphasis added). (N.C. Gen. Stat. §113A-206(3)(b)).

III. Interpretation of the Ridge Law

Interpretations of the exclusions contained within the definition of “tall buildings or structures” have varied and have been viewed three ways: (1) windmills are exempt only if they are relatively slender in nature and are minor vertical projections of a parent building; (2) windmills are exempt because they are naturally slender; and (3) windmills are exempt, period.

There exists no case law to date interpreting the Ridge Law. After a recent inquiry by Watauga County Planning and Inspections Director, Joe Furman, the North Carolina Attorney General has declined to take a position at this point. Therefore, it is left up to the individual county to interpret and apply the law and the following factors should be considered by Watauga County.

First, it is well known that from 1979 until 1983, a Mod-I wind turbine was located on Howard’s Knob, a prominent 4000’ peak rising just north of Boone. Because of the timing of the Ridge Law, there is support for the third interpretation, being that windmills were specifically excluded from the definition of tall buildings or structures to avoid de-legitimizing the Howard’s Knob project. (Watauga County Planning Board member Tom Foxx, who was a planner at the Division of Community Assistance at that time, and who was also involved with the drafting of the statute, confirmed this.)

A second factor to consider is simply looking at the Webster’s Dictionary definition of “slender,” which is “small or slight in width in proportion to height or length.” Whether a windmill is “relatively slender in nature” is subjective. However, objectively, it would be hard to argue otherwise.

IV. Conclusion

Taking into consideration the history of the Ridge Law, its stated purposes, and the simple language of the statute, it is my opinion that windmills were intended to be exempt. Therefore, it remains up to Watauga County whether to be silent as to their use, or whether to enact an ordinance promoting windmills and taking the opportunity to address anticipated issues which may arise as a result of their use.

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AGENDA ITEM 4:

PUBLIC HEARINGS TO ALLOW CITIZEN COMMENT ON PROPOSED AMENDMENTS TO THE FOLLOWING ORDINANCES:

B. Ordinance to Regulate High Impact Land Uses

MANAGER’S COMMENTS:

Per Board direction, a public hearing has been scheduled to allow public comment on the proposed changes by the Planning Board to the High Impact Land Use (HILU) Ordinance. Buffers and setbacks were reviewed regarding the HILU Ordinance. Changes to the ordinance are indicated by line-throughs and red ink.

Upon completion of the hearing, the Board may adopt the changes as presented, table action for a future meeting, or schedule a work session.

Staff seeks direction from the Board.



Ordinance to Regulate High Impact Land Uses

Watauga County, NC

Adopted March 18, 2003
Amended February 18, 2014
Amended July 7, 2015
Amended August 4, 2015
Amended _____, 2015

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ARTICLE I

INTRODUCTION

Section 1 General Purpose. The following regulations of High Impact Land Uses are adopted for the purpose of promoting the health, safety and general welfare of the citizens of Watauga County, and to promote the peace and dignity of the county; the Watauga County Commissioners hereby establish certain criteria relating to high impact land uses. These uses by their very nature produce objectionable levels of noise, odors, vibrations, fumes, light, smoke, and other impacts upon the lands adjacent to them. These standards shall allow for the placement and growth of such uses, while maintaining the health, safety, and general welfare standards of established residential and commercial areas in Watauga County.

Section 2 Legal Authority. This ordinance is adopted under the general ordinance authority granted to counties by the General Assembly of North Carolina. (General Statutes 153A-121 *et seq.*, and other pertinent statutes and amendments thereto).

Section 3 Territorial Coverage. Pursuant to NCGS § 153A-122, this ordinance shall apply to all areas of unincorporated Watauga County which are not within the extraterritorial planning jurisdictions of any municipalities. All municipalities, their respective corporate limits, and extra-territorial jurisdiction shall be exempted from the ordinance, unless they choose to adopt this ordinance or some form thereof. This ordinance does not apply to Watauga County owned and operated solid waste facilities or container sites.

ARTICLE II

REGULATED LAND USES

Section 1 Regulated Uses. This ordinance applies to the following High Impact Land Uses:

- A. Category 1. Asphalt Plants, Cement Mixing Facilities, ~~and~~ Quarries/Stone Crushers, Chemical Manufacturing, Chemical Storage Facilities, Explosives Manufacturing, and Explosives Storage Facilities, **Chip Mills, and Electricity Generating Facilities (excluding Wind and Solar Power Farms).**
- B. Category 2. Automotive Graveyards, Propane, ~~or~~ Gasoline, **or Fuel Oil Bulk Storage Facilities, Chip Mills, Electricity Generating Facilities (excluding Wind and Solar Power Farms)** and Junk/Scrap Yards.
- C. Category 3. ~~Fuel Oil Bulk Storage Facilities,~~ Electric Substations, Commercial/Industrial Development with aggregate building footprint 50,000 square feet or greater, Recycling Facilities, and Solar Power Farms. (Note: Wind Power Farms are regulated by separate Watauga County Ordinance.)

Section 2 Definitions. The following definitions shall be used for the purposes of interpreting this ordinance. For terms not defined below, the common usage of the term shall prevail.

Agricultural Farm – A bona fide farm whose primary purpose is the production of agricultural products including but not limited to crops, fruits, Christmas trees, vegetables, ornamental or flowering plants, dairy, livestock, poultry, and all other forms of agricultural products having a domestic or foreign market.

Asphalt Plant – A facility utilizing equipment that blends, dries, heats and mixes aggregates with asphalt cement to produce hot mix asphalt (HMA), including *batch* and *drum* plants.

Assisted Living Facility – Any group housing and services program for two or more unrelated adults, however named, that makes available, at a minimum, one meal a day and housekeeping services and provides personal care services directly or through a formal written agreement with one or more NC licensed home care or hospice agencies.

Automobile Graveyard – An outdoor establishment which is used for storing, keeping, processing, buying or selling more than five (5) wrecked, abandoned, scrapped, ruined or dismantled motor vehicles or motor vehicle parts.

Cement Mixing Facility – A facility utilizing equipment that combines materials including but not limited to sand, water, aggregate, ash, and cement to form concrete, including *ready mix* and *central mix* plants.

Chemical – An element, chemical compound, a mixture of elements or compounds or both.

Chemical Manufacturing – A facility involved in the production, synthesis, formation, processing, refining, manufacturing, and/or distribution of chemical products in bulk.

Chemical Storage Facilities – A facility used for the storage of chemical compounds in bulk.

Child Care Facility – Includes child care centers, family child care homes, and any other child care arrangement not excluded by NCGS §110-86(2), that provides child care, regardless of the time of day, wherever operated, and whether or not operated for profit.

- a. A child care center is an arrangement where, at any one time, there are three or more preschool-age children or nine or more school-age children receiving child care.
- b. A family child care home is a child care arrangement located in a residence where, at any one time, more than two children, but less than nine children, receive child care.

Chip Mill – A mechanized facility that grinds whole logs into wood chips for paper, particle board and other products and is capable of producing at least 250,000 tons annually.

Commercial – Used for an occupation, employment, or enterprise that is carried on for profit by the owner, lessee, or licensee.

Dwelling– Any building, structure, manufactured home or mobile home, or part thereof, used and occupied for human habitation.

Educational Facility – Includes elementary schools, secondary schools, community colleges, colleges, and universities. Also includes any property owned by those facilities used for educational purposes.

Electricity Generating Facility - A stand-alone plant, not ancillary to another land use which generates electricity to be distributed to consumers including but not limited to fossil fuel burning facilities ~~wind power farms~~, and solar power farms. This definition shall not include electricity produced on an agricultural farm or residence whose use is limited to on-site consumption which only sells electricity to a public utility incidental to the on-site use.

Explosives Manufacturing – Manufacturing of a chemical compound, mixture, or device the primary or common purpose of which is to function by explosion. This term includes but is not limited to dynamite, black powder, pellet powder, initiating explosives, detonators, safety fuses, squibs, detonating cord, igniting cord, igniters, and display fireworks, but does not include hand-loaded small arms ammunition.

High Impact Land Use – For the purposes of this ordinance, means any and all of the Category 1, Category 2, and Category 3 uses listed in Article II, Section 1. Regulated Uses.

Industrial – Use engaged in the manufacturing, and basic processing of materials or products predominantly from extracted or raw materials, or previously prepared materials, including processing, fabrication, assembly, treatment, packaging, storage, sales, and distribution of such products.

Junk/Scrap Yards – An outdoor establishment primarily engaged in the collection, sorting, outdoor storage and/or distribution of recyclable scrap and waste materials including automobiles, cans, steel containers, cast iron, appliances, construction materials, and other ferrous metals.

Nursing Home – A facility, however named, which is advertised, announced, or maintained for the express or implied purpose of providing nursing or convalescent care for three or more persons unrelated to the operator.

Ordinance Administrator – The Watauga County Department of Planning and Inspections.

Propane – A heavy flammable gaseous alkane C₃H₈, found in crude petroleum and natural gas, also known as LP Gas.

Propane, Gasoline or Fuel Oil Bulk Storage Facilities – A facility whose primary purpose is the storage, distribution, mixing or transfer of flammable or combustible liquids or gases received by or transferred by tank vessel, pipelines, tank car, piping, or portable tank or container. This definition shall not include filling stations used solely for distribution to individual consumers.

Processing – Any technique designed to change the physical, chemical, or biological character or composition of any material so as to render it safe for transport; amenable to recovery, storage or recycling; safe for disposal; or reduced in volume or concentration.

Public Outdoor Recreation Area – A tract of land owned by a government agency or a non-profit community group intended for use for active or passive recreation. This does not include similarly owned land intended for conservation.

Quarry/Stone Crusher – A place from which dimension stone, rock, construction aggregate, riprap, sand, gravel, or slate is excavated from the ground and/or processed for use.

Recovered Material – A material that has known recycling potential, can be feasibly recycled, and has been diverted or removed from the solid waste stream for sale, use, or reuse.

Recycling Facility – A building or structure used for the indoor collection, separation, storage and/or processing of recovered materials including non-ferrous metals and may include a time-limited outdoor material collection area. It does not include a thrift store, antique or secondhand store.

Religious Facility – A facility operated by religious organizations for worship, religious activity or instruction, and related accessory uses on the same site including living quarters and/or child care operations. Solo cemeteries are excluded.

Replacement Value – The cost to restore a structure to its previously existing condition as computed by an appraisal which has been conducted by an appraiser holding a North Carolina State Certified General Real Estate Appraisal License and conducted in compliance with generally accepted practices within the appraisal community.

Section 3. Regulations and Standards Imposed

A. Parking Space Requirements. Adequate parking facilities shall be provided to accommodate the type and intensity of vehicles likely to frequent High Impact Land Uses. Standards for specific land uses are as follows:

- (1) Retail uses shall provide a minimum of three (3) spaces per 1,000 square feet of floor area for buildings up to 10,000 SF in size, and (5) spaces per each 1,000 square feet of floor area in excess of 10,000 square feet.
- (2) Overnight accommodations shall provide a minimum of one and one-half (1.5) spaces per bedroom.
- (3) Factory, Industrial and Commercial (other than specified in (1) and (2) above) uses shall provide one and one-half (1.5) spaces per three employees computed on the total employment.

Parking spaces shall be at least nine (9) by eighteen (18) feet. Accessible spaces shall be provided in accordance with NC Building Code requirements. The Ordinance Administrator may permit deviations from the preceding specified standards based upon the expected parking needs of the establishment while recognizing the desire to limit excess parking area.

B. Building Height Limits. In order to allow for adequate fire protection, no building shall exceed a vertical height of forty (40) feet, measured as defined by the Watauga County Height of Structures Ordinance.

C. Outdoor Lighting Standards. High Impact Land Uses shall use outdoor lighting that does not create a nuisance on adjacent property, roadways, or pollute the night sky. These objectives are easily accomplished by choosing good quality, shielded fixtures. Therefore:

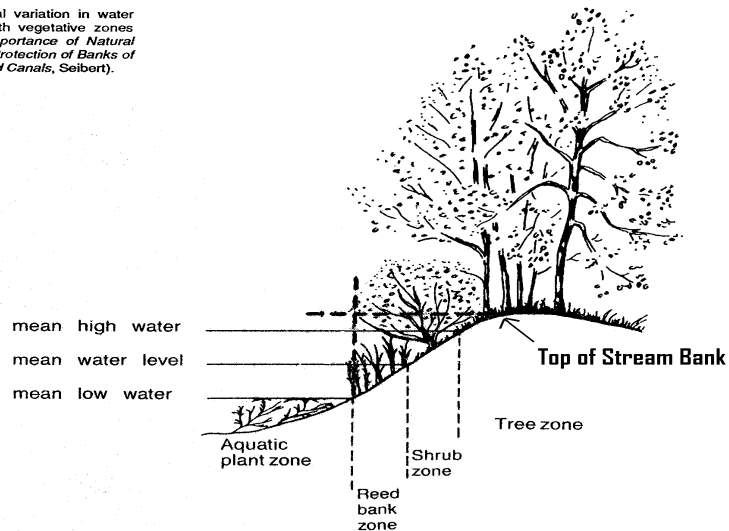
- (1) All parking lot lighting shall use full cutoff lighting fixtures;
- (2) Wall-packs and floodlights shall be either full cutoff design or have shields such that they do not put any light above the horizon and will be mounted to not shine on roadways and neighboring properties. Use of floodlights is discouraged;
- (3) Typical pole-mounted “dusk-to-dawn” security lights shall use reflecting “sky caps” instead of clear plastic refractors;
- (4) Building façade lighting shall not shine above the facades; and

- (5) For buildings required by the NC Building Code to have plans prepared by a design professional, the lighting levels shall be determined as defined by the Recommended Practices of the Illuminating Engineering Society of North America, or other recognized lighting publication. All other buildings comply with the requirement by virtue of compliance with (1) through (4) of this section.

D. Setbacks Required.

- (1) Category 1 & Category 2 High Impact Land Uses shall be set back 100 feet from side and rear property lines.
- (2) Category 3 High Impact Land Uses shall be set back 75 feet from side and rear property lines.
- (3) Where High Impact Land Uses adjoin each other, the required setbacks along common boundary lines for each High Impact Use may be reduced as follows:
- (a) Category 1 & Category 2 High Impact Land Uses – 45 feet;
- (b) Category 3 High Impact Land Uses – 25 feet.
- (4) Category 1 & 2 High Impact Land Uses shall be set back 185 feet from the edge of travelled area (stone or paved) of all public roads. In no instance shall such setbacks be less than 20 feet from any recorded right of way or NCDOT property boundary.
- (5) High Impact Land Uses shall be set back from all perennial waters indicated by blue lines on the most recent versions of USGS 1:24,000 (7.5 minute) scale topographic maps as follows:
- (a) There shall be a 100 foot vegetative buffer (measured from the top of the stream bank as indicated below) for all “blue line” streams; the 30 feet closest to the top of the stream bank being undisturbed and 70 feet managed vegetation. Publicly accessible walkways may be allowed within the managed vegetation area.

Typical variation in water level correlated with vegetative zones (modified from: *Importance of Natural Vegetation for the Protection of Banks of Streams, Rivers and Canals*, Seibert).



- (6) No part of a yard provided around any building or structure for the purpose of complying with the provisions of this ordinance shall be included as a part of a yard required under this ordinance for any other building or structure.

E. Landscape Buffers Required. Each High Impact Land Use shall be effectively buffered by landscaping which lessens the visual impact of the development at road grade level and from all sides with non-High Impact Uses in place and increases the buffering of noise and particulate matter. Each applicant shall submit a landscape plan which describes in detail how the above objectives will be met. The Ordinance Administrator may reasonably require adjustments and/or alterations to any proposed landscape plan necessary to comply with the provisions of this ordinance.

- (1) Category 1 & Category 2 Landscape Buffers. All Category 1 & Category 2 High Impact Land Uses shall be buffered utilizing the following combination of landscape material designed for screening effect:

- (a) Deciduous trees – three (3) per 100 lineal feet of property boundary line; and
- (b) Evergreen trees – six (6) per 100 lineal feet of property boundary line; and
- (c) Shrubs – ten (10) per 100 lineal feet of property boundary line.

- (2) Category 3 Landscape Buffers. All Category 3 High Impact Land Uses shall be buffered utilizing the following combination of landscape material designed for aesthetic effect:

- (a) Deciduous/Evergreen trees – four (4) per 100 lineal feet of property boundary line; and

(b) Shrubs – ten (10) per 100 lineal feet of property boundary line.

Opaque fencing made from conventional material or masonry walls and existing healthy trees and shrubs may be used in combination with a reduced number of required trees and shrubs when landscape buffer objectives are met and plans are approved by the Ordinance Administrator.

(3) Plant material shall be inspected and approved prior to planting and must meet the following minimum size requirements:

(a) Deciduous trees shall be a minimum of 6 feet tall with a 1 ½ -inch caliper measured six inches above grade upon planting;

(b) Evergreen trees shall be a minimum of 6 feet tall upon planting;

(c) Shrubs shall be a minimum of 1 foot tall upon planting.

F. Spacing Requirements.

(1) Category 1 & Category 2 High Impact Land Uses may not be established within 1,500 feet of a public or private Educational Facility, NC licensed Child Care Facility, NC licensed Assisted Living Facility, NC licensed Nursing Home, Public Outdoor Recreation Area, or Religious Facility. In order to establish required spacing, measurement shall be made in a straight line, without regard to intervening structures or objects, from the nearest portion of the building, structure, or outdoor storage area utilized by Category 1 or 2 Land Uses, to the nearest property line of the above-listed facilities.

(2) Category 1 High Impact Land Uses may not be established within 750 feet of a dwelling. In order to establish required spacing, measurement shall be made in a straight line, without regard to intervening structures or objects, from the nearest portion of the building, structure, or outdoor storage area utilized by a Category 1 Land Use, to the nearest property line of a dwelling.

(3) Category 1 High Impact Land Uses may not be established within 1,500 feet of the right-of-way line of a roadway designated by NCDOT as a NC Scenic Byway or within 1,500 feet of the Blue Ridge Parkway.

Presence of a city, county or other political subdivision boundary shall be irrelevant for purposes of calculating and applying the spacing requirements of this Section.

ARTICLE III

PRE-EXISTING HIGH IMPACT LAND USES

Section 1. Grandfathering of Pre-existing High Impact Land Uses. Any High Impact Land Use existing upon the date of adoption of this ordinance which does not conform to the requirements of this ordinance may continue so long as the use is not discontinued for more than two years. In cases where repair or renovation is necessary to re-occupy a vacant building, such construction must commence within two (2) years of last occupancy and proceed continuously to completion.

- A. Expansion. Grandfathered nonconforming High Impact Land Uses may be expanded provided the degree of nonconformity is not increased. In addition, the expansion shall comply with the standards of Article II, and the pre-existing development shall comply with the standards of Article II to the extent physically practicable as determined by the Ordinance Administrator, and upon issuance of a Special Use Permit pursuant to Article V, Section 9.
- B. Reconstruction. In cases of damage to grandfathered nonconforming buildings to the extent of seventy-five percent (75%) or less of the replacement value, repairs may be made, provided the original building footprint is maintained. When such damage exceeds seventy-five percent (75%) of the replacement value, repairs may be made only if the original building footprint is maintained and the standards of Article II are met to the extent physically practicable as determined by the Ordinance Administrator, and upon issuance of a Special Use Permit pursuant to Article V, Section 9.

Compliance with a requirement of this ordinance is not physically practicable if compliance cannot be achieved without adding land to the lot where the nonconforming situation is maintained or moving a substantial structure that is on a permanent foundation. Mere financial hardship caused by the cost of meeting requirements does not constitute grounds for finding that compliance is not physically practicable.

Section 2. New High Impact Land Uses Regulated. After the effective date of this ordinance all new High Impact Land Uses as well as any pre-existing High Impact Land Uses which are moved, altered or enlarged shall conform to the regulations contained in this ordinance except as set forth in Article III, Section 1.

Section 3. Pre-existing Regulated Land Uses. After the effective date of this ordinance, new permits or approvals for any of the protected land uses listed in Article II, Section 3 (F)

Spacing Requirements shall not have the effect of creating new non-conformities for any lawfully existing High Impact Land Use.

ARTICLE IV

PERMIT REQUIRED

Section 1. Permitting Process.

A. Development Permits Required

No building or other structure subject to this ordinance shall be erected, moved, added to, or structurally altered without a Development Permit having been issued by the Ordinance Administrator, and upon issuance of a Special Use Permit pursuant to Article V, Section 9. No building permit shall be issued except in conformity with the provisions of this ordinance.

B. Applications for Development Permits

All applications for development permits shall be accompanied by plans in duplicate, drawn to scale, showing the actual dimensions and shape of the lot to be built upon; the exact sizes and locations on the lot of any buildings already existing; the location and dimensions of the proposed building or alteration; and compliance with the standards of Article II. The application shall include such other information as may reasonably be required by the Ordinance Administrator, including a description of all existing or proposed buildings or alterations; existing and proposed uses of the buildings and land; conditions existing on the land parcel; and such other matters as may be necessary to determine conformance with, and provide for the enforcement of, this ordinance. One copy of the plans shall be returned to the applicant by the Ordinance Administrator, marked either as approved or disapproved and attested to by his signature on such copy. The second copy of the plans, also so marked, shall be retained by the Ordinance Administrator.

C. Administrator to Maintain Permit Records. The Ordinance Administrator shall maintain a record of all Development Permits and copies shall be furnished upon request to any interested person.

D. Remedies for Noncompliance. The failure to obtain any required Development Permit shall be a violation of this ordinance, punishable under Article VI of this ordinance. Further, Development Permits shall issue on the basis of applications approved by the Ordinance Administrator and authorize only the use, arrangement, and construction applied for and approved. Any use, arrangement or construction not in compliance with that authorized shall be a violation of this ordinance, and shall be subject to penalties and remedies provided by Article VI hereof.

Section 2. Appeal of Permit Denial. If a Development Permit is denied by the Ordinance Administrator, the applicant may appeal the action of the Ordinance Administrator to the Board of Adjustment, as specified in Article V. Notice of Appeal must be received in writing by the Clerk for the Board of Commissioners within thirty (30) days of the final decision of the Ordinance Administrator or notice to the applicant of the decision, whichever is later. Appeals received after this thirty (30) day period are not timely and shall not be considered.

ARTICLE V

APPEALS, SPECIAL USE PERMITS AND VARIANCES

Section 1. Board of Adjustment. The Watauga County Board of Adjustment shall hear all appeals, requests for special use permits, requests for variances, and all challenges to the decision or interpretation of the Ordinance Administrator.

Section 2. Board of Adjustment Powers. The Board shall have the following powers:

- (a) To hear and decide appeals from a person with legal standing pursuant to NC General Statute §160A-393(d) of any final binding order, requirement, or determination made by the Ordinance Administrator charged with enforcement of the ordinance; ~~and~~
- (b) To hear and decide applications for Special Use Permits in accordance with Article V, Section 9; and
- (c) To hear and decide applications for variances from the requirements of this Ordinance in accordance with Article V, Section 5. Nothing in this Section shall be construed to broaden the power of the Board to permit a use by variance beyond that power given in Article V, Section 5 below.

Section 3. Administration. The Board shall adopt rules of procedures and regulations for the conduct of its affairs.

All meetings of the Board shall be open to the public.

The Board shall keep a record of its meetings, including of the vote of each member on every question, a fair and accurate summary of the evidence submitted to it, the documents (or accurate copies thereof) submitted to it and of all official actions. The Board shall give due notice of matters coming before it.

In presenting an appeal, the petitioner shall bear the burden of proof, which shall be by the greater weight of the evidence. The Board shall rule if the petitioner has legal standing pursuant to NC General Statute § 160A-393 (d) in order to determine whether to hear the appeal.

All evidence presented to the Board shall be sworn.

The person acting as Board Chair is authorized to administer oaths to any witnesses in any matter coming before the Board.

Application for variances and appeals for review of decisions of the Ordinance Administrator shall be filed with the County Clerk.

It shall be the responsibility of the Ordinance Administrator to notify the applicant or appellant of the disposition which the Board makes of any matter before it.

It shall be the responsibility of the Ordinance Administrator to issue or revoke a permit in accordance with the Board's action on an appeal or application, if a permit is authorized by the Board action.

Section 4. Quorum and Vote Required. A concurring vote of a simple majority of the members shall be required to decide upon all matters to come before the board. For the purpose of this subsection, vacant positions on the board and members who are disqualified from voting shall not be considered members of the board for calculation of the requisite majority.

Section 5. Application of the Variance Power. When unnecessary hardships would result from strict application of the ordinance, upon application by an aggrieved party with standing, the Board of Adjustment may hold a hearing pursuant to NCGS §160A-388 (a2) and may grant variances to the provisions of the ordinance in accordance with the standards and procedures established in NCGS §160A-388(d), and as established by County policy.

The Board may impose reasonable conditions upon the granting of any variance in order to protect the public interest or neighboring property owners. Violation of any such conditions shall be a violation of this ordinance and subject to the penalties set forth in Article VI of this ordinance.

With regard to hardships involving the spacing requirements set forth in Article II, Section 3 (F), the Board may consider the character of the land separating the proposed regulated land use from the protected land use(s). The Board may grant a variance from the spacing requirements if natural or man-made conditions, including but not limited to a mountain ridge or highway, or mitigating actions proposed by the developer, offer adequate protection for secondary impacts of the regulated use.

Section 6. Application of Interpretation Power. An appeal from an order, requirement, or decision of the Ordinance Administrator shall be decided by the Board duly supported by competent evidence. In exercising this power, the Board shall act in a prudent manner so that the purposes and intent of the Ordinance shall be served. No decision shall have the effect of varying the terms of the Ordinance or permitting as a matter of right any use otherwise limited or prohibited hereunder.

Section 7. Appeal Stays Further Proceedings. An appeal to the Board of Adjustment from a decision or determination of the Ordinance Administrator stays all proceedings in furtherance of the decision or determination appealed from, except as provided in Section 8, during the pendency of the appeal.

Section 8. Exceptions to Stay of Action. An appeal to the Board of Adjustment of a decision or determination of the Ordinance Administrator shall not stay proceedings in furtherance of the decision or determination appealed from, if the Ordinance Administrator certifies either:

- (a) That a stay would cause imminent peril to life or property; or
- (b) That the situation subject to the appeal is transitory in nature and therefore, an appeal would seriously interfere with enforcement of this Ordinance.

In each instance, the Ordinance Administrator shall set forth in the certificate facts to support its conclusion.

Section 9. Application of Special Use Power

- a. An application for a special use permit shall be submitted to the Board of Adjustment by filing a copy of the application with the Ordinance Administrator.
- b. Subject to subsection (c), the Board of Adjustment shall issue the requested permit unless it concludes, based upon the information submitted at the hearing, that:
 - (1) The requested permit is not within its jurisdiction, or
 - (2) The application is incomplete, or
 - (3) If completed as proposed in the application, the development will not comply with one or more requirements of this Ordinance (not including those the applicant is not required to comply with under the circumstances specified in Article III, Pre-Existing High Impact Land Uses).
- c. Even if the Board finds that the application complies with all other provisions of this chapter, it may still deny the permit if it concludes, based upon the information submitted at the hearing, that if completed as proposed, the development, more probably than not:
 - (1) Will materially endanger the public health or safety, or
 - (2) Will substantially injure the value of adjoining or abutting property, or
 - (3) Will not be in harmony with the area in which it is to be located, or
 - (4) Will not be in general conformity with the land-use plan, thoroughfare plan, or other plan officially adopted by the Board of Commissioners.

- d. The Board shall consider whether the application is complete. If the Board concludes that the application is incomplete and the applicant refuses to provide the necessary information, the application shall be denied. A motion to this effect shall specify either the particular type of information lacking or the particular requirement with respect to which the application is incomplete. A motion to this effect, concurred in by a majority of the Board, shall constitute the Board's finding on this issue. If a motion to this effect is not made and concurred in by a majority of members, this shall be taken as an affirmative finding by the Board that the application is complete.
- e. The Board shall consider whether the application complies with all of the applicable requirements of this Ordinance. If a motion to this effect passes by a majority of members, the Board need not make further findings concerning such requirements. If such a motion fails to receive the majority vote or is not made, then a motion shall be made that the application be found not in compliance with one or more requirements of this chapter. Such a motion shall specify the particular requirements the application fails to meet. A separate vote may be taken with respect to each requirement not met by the application. It shall be conclusively presumed that the application complies with all requirements not found by the Board to be unsatisfied through this process. As provided in Subsection 9 (c) if the Board concludes that the application fails to meet one or more of the requirements of this section, the application shall be denied.
- f. If the Board concludes that all such requirements are met, it shall issue the permit unless it adopts a motion to deny the application for one or more of the reasons set forth in Subsection 9 (c). Such motion shall propose specific findings, based upon the evidence submitted, justifying such a conclusion and is carried by a simple majority vote.
- g. Subject to Subsection (h), in granting a special use permit, the Board of Adjustment may attach to the permit such reasonable requirements in addition to those specified in this chapter as will ensure that the development in its proposed location:
 - (1) Will not endanger the public health or safety,
 - (2) Will not injure the value of adjoining or abutting property,
 - (3) Will be in harmony with the area in which it is located, and
 - (4) Will be in conformity with the land-use plan, thoroughfare plan, or other plan officially adopted by the Board of Commissioners.
- h. The Board may not attach additional conditions that modify or alter the specific requirements set forth in this ordinance unless the development in question presents extraordinary circumstances that justify the variation from the specified requirements.

- i. Without limiting the foregoing, the Board may attach to a permit a condition limiting the permit to a specified duration.
- j. All additional conditions or requirements shall be entered on the permit.
- k. All additional conditions or requirements authorized by this Section are enforceable in the same manner and to the same extent as any other applicable requirements of this Ordinance.
- l. A vote may be taken on application conditions or requirements before consideration of whether the permit should be denied for any of the reasons set forth in Subsections (b) or (c).

Section 10. Appeals of Board Actions. Every decision of the Board shall be subject to review at the instance of any aggrieved party in the Superior Court by proceedings in the nature of a petition for writ of certiorari. Such proceedings in the Superior Court shall be initiated within thirty (30) days of the filing of the decision in the office of the Ordinance Administrator or the delivery of the notice required in Article VI, Section 3, whichever is later. Appeals not received within this thirty (30) day period are not timely. The Superior Court is authorized to stay enforcement of this ordinance during the pendency of an appeal from the decision of the Board of Commissioners upon a hearing and the posting of a bond sufficient to the Court which will adequately protect the interests of the County.

ARTICLE VI

ENFORCEMENT AND PENALTIES

Section 1. Administration and Enforcement. The Ordinance Administrator shall be responsible for the administration and enforcement of this ordinance.

If the Ordinance Administrator shall determine that any of the provisions of this ordinance are being violated, he shall notify in writing the person responsible for such violation, indicating the nature of the violation and ordering the action necessary to within ten (10) working days correct the violation. He may order the discontinuance of illegal use of land, buildings, or structures; the removal of illegal buildings or structures or of addition, alterations, or structural changes thereto; the discontinuance of any illegal work being done; and may take any other action authorized by this ordinance to insure compliance with, or to prevent violation of, its provisions.

Section 2. Conflict with Other Laws. Wherever the provisions or application of this ordinance impose higher standards than are required in any other local ordinance or regulation, the provisions or application of this ordinance shall govern. Wherever the provisions of any other statute or local ordinance or regulation impose higher standards than are required by the provisions or application this ordinance, the provisions of such other statute or local ordinance or regulation shall govern.

Section 3. Penalties. Any person, firm or corporation who violates any provision of any article of this ordinance; or who shall violate or fail to comply with any order made hereunder; or who shall continue to work upon any structure after having received written notice from the Ordinance Administrator to cease work, shall, upon conviction, be guilty of a Class 3 misdemeanor as provided by NCGS § 14-4 and shall be punishable by a fine not to exceed fifty (\$50.00) dollars, or imprisonment not to exceed twenty days. Each day such violation shall be permitted to exist shall constitute a separate offense. Notice of violation shall be sufficient if directed to the owner, the agent of the owner, or the contractor and left at his known place of residence or place of business. In lieu of or in addition to the criminal penalties outlined above, each person violating this ordinance shall be subject to a civil penalty, under NCGS § 153A-123(c), in the amount of \$200.00 per day. No penalty shall be assessed prior to notice to the violator. For every day a violator is in violation of this ordinance, it shall be considered a separate offense. If the violator does not pay such penalty within 30 days of notification of its assessment by written citation it and any subsequently accruing penalty may be recovered by the County in a civil action in the nature of a debt. Any contest of said penalty shall be by appropriate action taken in the General Court of Justice for Watauga County.

Section 4. Severability Clause. Should any section or provisions of this ordinance be declared by the courts to be unconstitutional or invalid, such decision shall not affect the validity of this ordinance as a whole, or any part hereof other than the part so declared to be unconstitutional or invalid.

Section 5. Ordinance Amendments. This ordinance may be amended by the Board of Commissioners following a public hearing on the proposed changes. The Board shall cause notice of the hearing to be published once a week for two successive calendar weeks. The notice shall be published the first time not less than 10 days nor more than 25 days before the date fixed for the hearing. In computing such period, the day of publication is not to be included but the day of the hearing shall be included.

Should any Federal or State regulation or statute incorporated herein by reference or otherwise referred to herein, be changed or amended, or should either require or mandate a different procedure or change or impose new, different or additional requirements, then, in that event, this ordinance shall be deemed to have been amended without further action to have complied with such new, additional or amended requirements.

AGENDA ITEM 5:

WATAUGA COUNTY TOURISM DEVELOPMENT AUTHORITY (TDA) UPDATE

MANAGER'S COMMENTS:

Mr. Wright Tilley, TDA Executive Director, will present an update on the TDA and provide Fiscal Year 2014/15 numbers.

The report is for information only, and therefore no action is required.



Memorandum

TO: Deron Geouque, Watauga County Manager
Watauga County Board of Commissioners

FROM: Wright Tilley, Executive Director

RE: TDA Update for Watauga County Board Retreat

DATE: 10/12/15

The Watauga County Tourism Development Authority (TDA) would like to give you a brief update on occupancy tax revenue and some of the infrastructure funding activities of the TDA.

Attached to this memo is a copy of the FY 14/15 year-end occupancy tax collection chart, a copy of the 2015 Calendar Year Occupancy Tax chart through August 2015 comparing the current calendar year to last calendar year, and a copy of the current FY 15/16 fiscal year collections for July & August.

Watauga TDA Highlights:

- **Closed the FY 14/15 fiscal year with an increase in occupancy tax revenue of 12.72%, which amounts to a \$127,443 increase in occupancy tax funds.**
- **Calendar year 2015 occupancy tax collections from January 2015 through the August 2015 collections are up 20.18% over the 2014 calendar year, which amounts to a \$127,935 increase in occupancy tax collections.**
- **Current FY 15/16 Fiscal Year occupancy tax collections for July & August are up 22.76% over last year for an increase in revenue of \$59,055.**
- **Watauga County ranked 19th out of North Carolina's 100 counties in terms of overall travel impact among North Carolina's 100 Counties. (NC Commerce)**

- **Domestic tourism in Watauga County generated an economic impact of \$225.77 million in 2014, a 4.17% increase from 2013. (NC Commerce)**
- **Local tax revenues from travel to Watauga County amounted to \$ 8.73 million. This represents a \$371 tax savings to each county resident. (NC Commerce)**
- **More than 2,570 jobs in Watauga County were directly attributable to travel & tourism in 2014. (NC Commerce)**

TDA Infrastructure Project Update

- **The Watauga TDA contributed \$44,000 in funding to help with an additional parking area and trails near the Ted Mackorell Soccer Complex.**
- **The Watauga TDA made a 2-year commitment to the Middle Fork Greenway Association of \$100,000 per year for the continued development of a greenway between Boone and Blowing Rock.**
- **The Watauga TDA contributed \$36,000 in funding to the Pine Run Road River Access and Green Valley Park River Access projects. Both projects were part of one grant.**

Occupancy Tax Collection Report

July 2014 to Date

	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>JULY to Date</u>
BR	109,400.18	100,528.84	69,261.98	116,570.74	55,183.11	50,081.91	43,902.41	35,099.41	30,052.26	41,939.58	58,449.09	82,189.95	792,659.46
	116,846.02	106,594.82	68,599.44	124,717.18	57,243.44	62,726.52	49,048.43	42,677.07	29,437.97	45,009.08	64,719.85	92,181.51	859,801.33
	7,445.84	6,065.98	(662.54)	8,146.44	2,060.33	12,644.61	5,146.02	7,577.66	(614.29)	3,069.50	6,270.76	9,991.56	67,141.87
	6.81%	6.03%	-0.96%	6.99%	3.73%	25.25%	11.72%	21.59%	-2.04%	7.32%	10.73%	12.16%	8.47%
Boone	121,628.70	133,499.33	110,895.97	139,608.97	77,697.55	79,309.32	75,276.52	73,838.55	61,798.98	67,298.78	90,547.58	109,952.25	1,141,352.50
	121,917.73	114,673.94	86,211.19	145,841.55	73,464.12	82,012.00	75,022.35	72,565.88	55,742.41	73,072.06	87,987.14	114,878.58	1,103,388.95
	289.03	(18,825.39)	(24,684.78)	6,232.58	(4,233.43)	2,702.68	(254.17)	1,272.67	6,056.57	5,773.28	2,560.40	4,926.33	(37,963.55)
	0.24%	-14.10%	-22.00%	4.46%	-5.40%	3.41%	0.30%	1.70%	-9.80%	8.58%	2.82%	4.48%	-3.33%
Wat	136,070.42	109,184.33	72,028.80	123,704.51	79,114.26	107,193.91	85,332.62	66,429.12	42,644.62	40,750.38	57,589.55	81,692.05	1,001,734.57
	147,957.87	111,501.20	69,082.70	137,639.78	99,316.29	120,360.52	97,405.23	77,423.79	48,203.08	49,520.43	73,037.12	97,729.11	1,129,177.12
	11,887.45	2,316.87	(2,946.10)	13,935.27	20,202.03	13,166.61	12,072.61	10,994.67	5,558.46	8,770.05	15,447.57	16,037.06	127,442.55
	8.74%	2.12%	-4.10%	11.27%	25.53%	12.28%	14.15%	16.55%	13.04%	21.53%	26.83%	19.64%	12.72%
TTLS													
Prior Yr	367,099.30	343,212.50	252,186.75	378,884.22	211,994.92	236,585.14	204,511.55	175,367.08	134,495.86	149,988.74	206,586.22	273,834.25	2,935,746.53
Cur Yr	386,721.62	332,769.96	223,893.33	408,198.51	230,023.85	265,099.04	221,476.01	192,666.74	133,383.46	167,601.57	225,744.11	304,789.20	3,092,367.40
\$'s +/-	19,622.32	(10,442.54)	(28,293.42)	28,314.29	18,028.93	28,513.90	16,964.46	17,299.66	(1,112.40)	17,612.83	19,157.89	30,954.95	156,620.87
% +/-	5.35%	-0.97%	-11.50%	7.45%	8.50%	12.05%	8.30%	9.86%	-0.07%	11.75%	9.28%	11.31%	5.33%

Boone Hotels had a large number of college students occupying their rooms during August & September of 2013, so those numbers were higher than average. This was due to construction delays on new apartments for college students. Below are the 2012 August and September Boone numbers as a reference.

Boone 2012 August Collections = \$116,576.99
 Boone 2012 September Collections = \$ 98,045.04

Boone had 70 rooms out of inventory due to renovations during February & March of 2015

Occupancy Tax Collection Report**Jan 2015 To Date**

	<u>Jan</u>	<u>Feb</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>Jun</u>	<u>July</u>	<u>Aug</u>	<u>Sept</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>JAN to Date</u>
BR	43,902.41	35,099.41	30,052.26	41,939.58	58,449.09	82,189.95	116,846.02	106,594.82					515,073.54
	49,048.43	42,677.07	29,437.97	45,009.08	64,719.85	92,181.51	133,260.86	113,704.66					570,039.43
	5,146.02	7,577.66	(614.29)	3,069.50	6,270.76	9,991.56	16,414.84	7,109.84					54,965.89
	11.72%	21.59%	-2.04%	7.32%	10.73%	12.16%	14.05%	6.67%					10.67%
Boone	75,276.52	73,838.55	61,798.98	67,298.78	90,547.58	109,952.25	121,917.73	114,673.94					715,304.33
	75,022.35	72,565.88	55,742.41	73,072.06	87,987.14	114,878.58	139,269.13	133,178.99					751,716.54
	(254.17)	(1,272.67)	(6,056.57)	5,773.28	(2,560.44)	4,926.33	17,351.40	18,505.05					36,412.21
	-0.30%	-1.70%	-9.80%	8.58%	-2.82%	4.48%	14.23%	16.14%					5.09%
Wat	85,332.62	66,429.12	42,644.62	40,750.38	57,589.55	81,692.05	147,957.87	111,501.20					633,897.41
	97,405.23	77,423.79	48,203.08	49,520.43	73,037.12	97,729.11	185,601.84	132,912.18					761,832.78
	12,072.61	10,994.67	5,558.46	8,770.05	15,447.57	16,037.06	37,643.97	21,410.98					127,935.37
	14.15%	16.55%	13.04%	21.53%	26.83%	19.64%	25.44%	19.20%					20.18%
TTLS													
Prior Yr	204,511.55	175,367.08	134,495.86	149,988.74	206,586.22	273,834.25	386,721.62	332,769.96					1,864,275.28
Cur Yr	221,476.01	192,666.74	133,383.46	167,601.57	225,744.11	304,789.20	458,131.83	379,795.83					2,083,588.75
\$'s +/-	16,964.46	17,299.66	-1,112.40	17,612.83	19,157.89	30,954.95	71,410.21	47,025.87					219,313.47
% +/-	8.30%	9.87%	-0.82%	11.75%	9.28%	11.31%	18.47%	14.13%					11.76%

Note: Three Boone hotels were undergoing renovations in February and March of 2015 and had rooms out of inventory

Occupancy Tax Collection Report

July 2015 to Date

	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Jan</u>	<u>Feb</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>JULY to Date</u>
BR	116,846.02	106,594.82											223,440.84
	133,260.86	113,704.66											246,965.52
	16,414.84	7,109.84											23,524.68
	14.05%	6.67%											10.53%
Boone	121,917.73	114,673.94											236,591.67
	139,269.13	133,178.99											272,448.12
	17,351.40	18,505.05											35,856.45
	14.23%	16.14%											15.16%
Wat	147,957.87	111,501.20											259,459.07
	185,601.84	132,912.18											318,514.02
	37,643.97	21,410.98											59,054.95
	25.44%	19.20%											22.76%
TTLS													
Prior Yr	386,721.62	332,769.96											719,491.58
Cur Yr	458,131.83	379,795.83											837,927.66
\$'s +/-	71,410.21	47,025.87											118,436.08
% +/-	18.47%	14.13%											16.46%

Boone had 70 rooms out of inventory due to renovations during February & March of 2015

AGENDA ITEM 6:**DISC GOLF COURSE REQUEST****MANAGER'S COMMENTS:**

Mr. Richard Rosenfeld will request the Board to reconsider signing a lease with the NCDOT for a public disc golf course. The proposed location of the course is next to the current law enforcement site. The land is owned by the North Carolina Department of Transportation in which a willingness to potentially partner with the County on the disc golf course has been expressed. However, a plan would be required and restrictions placed on the property in the event that a future State need was identified.

The County would be required to enter into a lease agreement with the North Carolina Department of Transportation to secure the property. Staff understands that Mr. Rosenfeld has agreed to pay for the construction and five (5) years' worth of maintenance on the course. The Board may wish to schedule a public hearing in the event Mr. Rosenfeld's proposal is reconsidered as there was opposition last time by residents.

Staff seeks direction from the Board.

Richard Rosenfeld
501 Bishops Ridge Parkway
Blowing Rock, NC 28605
Phone (828)-904-4585

October 14, 2015

Watauga County Board of Commissioners
814 West King Street, Suite 205
Boone, North Carolina 28607

RE: Gift / Grant for a public disc golf course in Watauga County
184 Hodges Gap Road
Boone, NC 28607

Dear Board of Commissioners:

I am writing this letter requesting that the County Commissioners consider signing a lease with the N.C. Department of Transportation on the vacant land behind the sheriff's office on Hodges Gap Road for the purpose of developing a public Disc Golf course. I am an ASU graduate with a degree in outdoor education and have been a resident of Watauga County for the past 25 years. Outdoor recreation is and has always been a large part of my life and I would like to share this love for the outdoors with my community by granting the money to develop a public disc golf course on the land mentioned above.

For the past 17 years I have been working in commercial real estate in the wireless industry, and playing disc golf twice a week for many of those years. Recently, I was fortunate enough to sell several of the assets I owned and now have the desire and financial means to give back to my community.

There are several private disc golf courses in Watauga County and I happen to own one of those courses. Instead of driving an hour or more to play disc golf a couple times a week in other counties, I decided to create my own course. After seeing the response of the local disc golf community to my course, I knew I wanted to share that opportunity with everyone. That is why I would like to provide funding for a public disc golf course to be developed in Watauga County. Thank you in advance for your consideration.

Sincerely,



Richard Rosenfeld

Disc Golf in the High Country:
A Study on Need and Economic Impact

Austin Olive

Jeff Colby

Appalachian State University

Fall 2014

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Abstract

This evaluation was conducted to determine the feasibility of constructing a disc golf course in Boone, North Carolina. The evaluation consists of two separate studies: a needs assessment for a disc golf course in Boone and an economic impact study of the existing disc golf course at Ashe County Park in West Jefferson, NC. The objectives of these studies were to determine the population that would be most interested in a course, to identify a location for the course, to determine if participants would be willing to volunteer resources to the construction of a course, and to determine the economic impact of the course at Ashe County Park. Data was collected via survey for each study—the needs assessment survey received 37 responses and the economic impact survey received 26. The data shows that there is a need for a course in Boone and that people would be willing to volunteer resources towards its construction. It also shows that if there were a course in Boone, disc golfers' expenditures within the town would increase. Based on the results, it is recommended that a course be constructed in the area. This would benefit local disc golfers and the Boone economy.

Introduction

The sport of disc golf is experiencing a surge in popularity. This growth in interest brings with it the need for new courses. There are few public disc golf courses in northwest North Carolina, which is an obvious limiting factor for those who enjoy playing disc golf in that area. The closest public course to Boone is at Ashe County Park in West Jefferson, NC—a 29-mile drive. The purpose of this evaluation is to determine the perceived need for and plausibility of constructing a disc golf course in Boone. Data was collected through a needs assessment survey (Appendix A) and an economic impact survey of the disc golf course at Ashe County Park in West Jefferson (Appendix B).

Review of Literature

Disc golf is a popular recreational activity that has been slowly growing over the years since its inception in the 1970's. The increasing popularity of the sport has caused many parks and recreation departments to install courses into local, community, and regional parks. In 1976, only three disc golf courses existed in the United States. Today, there are more than 3,000 disc golf courses in the country. With this tremendous amount of growth, a few questions should be asked. Why are people getting involved with the sport? How did they find out about it? What are their primary motivations for playing? Disc golf subculture can be enigmatic, so researchers have set out to learn more about those who participate in the sport. This review of literature will look at the findings of these researchers and the social implications disc golf has on its participants.

In a study by Sylvia Trendafilova, a professor at the University of Tennessee: Knoxville, she looks at the subculture of disc golfers and their link to the environment and local area.

Trendafilova (2011) indicates five themes based off identified patterns in her research: "...*lack of knowledge and awareness about the surrounding environment and the damage the sport of disc golf causes... sense of ownership and attachment to the park... willingness to donate time as volunteers... family and fun-oriented atmosphere... male dominated sport.*" (p. 5) These patterns are important to understand because they give the reader a general idea about who plays the sport and some factors that help them get involved in it.

Another research study by Hugo Haley conducted in Calgary, Canada, showed similar results to Trendafilova's study. Haley (2002) found that "players are young, employed, and well educated, disc golf represents an important part of players' lives from both a social and physical standpoint, players play often and introduce many other people to the activity, recent course closures have had a profoundly negative effect on players." (p. 140-141) Through this study we can see that players value their sport highly. Understanding that avid disc golfers introduce others to the sport is a good indicator that disc golf is a tight-knit community. It makes sense then to assume that disc golfers, who value the sport so much, would introduce people similar in character to the sport also.

Further demographic studies have helped determine what constitutes the average disc golf player. At the NorCal Series Championship Tournament on October 20-21, 2012, George Zinner surveyed players at the tournament about current trends in the sport of disc golf. Through the survey Zinner (2013) found that "74(87%) were male and 11(13%) were female. The majority of participants identified as Caucasian (92%)." (p. 24) It is not hard to interpret from these numbers that disc golf is most popular with white males.

Of all the participants: (75%) thought there was a disc golf culture. They described disc golf culture in many ways. Among these descriptions were the joy of playing disc golf,

Disc Golf in the High Country

camaraderie, competition, like-minded people from all walks of life, nature-loving people, and hippies. (Zinner, 2002, p. 25)

In Trendafilova's, Haley's, and Zinner's research, it is apparent that many social factors go into playing disc golf and being part of the community of it. So what can these social factors do to benefit new, existing, and future players? There are already studies being done about how disc golf can be used as therapeutic recreation. Michael Powell and Rebecca Newgent conducted a static group pretest-posttest for children in the 4th and 5th grade that were described as disruptive in a classroom environment. For their experiment they pre-tested the kids on their disruptiveness, and one group played weekly one-hour disc golf sessions for 4 weeks, where they received coaching and tips from instructors, while the second (control) group received no disc golf intervention. Powell and Newgent (2008) concluded from the results of their study that "...the use of disc golf play was found statistically significant at improving positive classroom behaviors." (p. 12) This experiential learning is important for the children and helped them become better classroom-oriented students. If disc golf can provide these kind of social benefits to children, then maybe adults can experience disc golf in the same way. For example, disc golf could be an outlet from work, stress and life in general for an older adult, like recess and physical play is for a child at school.

By reviewing these studies it is apparent that disc golf is a great way for communities to introduce a fun, relatively inexpensive sport to their area. In an article included in the August 1996 issue of Parks & Recreation, author Don Altymer (1996) describes the benefits of disc golf as

Low cost of equipment: about 8\$ for a golf disc, instead of hundreds of dollars for golf clubs, shoes and balls. Low cost of play: most disc golf courses are FREE, where green

fees at golf courses can run as high as \$200. Minimum playing time: typical 18-hole disc golf round takes one to play compared to four to five hours for ball golf. Excellent low-impact cardiovascular exercise: walking through beautiful parks, which is easily done by people of all ages. (p. 51)

Disc golf culture is continuing to grow and is becoming more unique as the sport picks up more players. With the help of the research from those mentioned in this review, the subculture and motivations of those that play the sport are becoming easier to understand and interpret.

Methods

Procedure:

The needs assessment survey was distributed online through various social media websites. When the online link to the survey was posted, it said, "If you are interested in disc golf, and would like to see a course developed in Boone or the surrounding area, please take a few short minutes and fill out this survey regarding the need of a course in this area." The survey was posted on Facebook to the evaluator's personal pages, and to the group pages of the "ASU Nomads" the Club Ultimate (Frisbee) team at Appalachian State University, and the newly formed page for the ASU Disc Golf Club. Some people shared the survey to their timelines. A link to the survey was also tweeted once through a personal twitter account.

The evaluators traveled to Ashe County Park to distribute the economic impact survey. They went on a Wednesday when it was convenient, then played a round of disc golf. While playing, they asked each person playing disc golf if they would like to complete a short survey helping them measure the economic impact of the disc golf course. A printed version of the survey was handed out. Pens were used to write with and clipboards were used to write on. The evaluators clarified any questions about the survey itself. After they completed it, participants

were thanked. No tangible incentives were offered for completing the survey. Only one survey was collected in this manner.

After visiting Ashe County Park, one evaluator posted a link to the online version of the survey on his Facebook timeline asking those who have played disc golf at Ashe County Park to please take the survey and share it with their friends. He pinned the survey to the ASU Men's Ultimate Facebook page also and asked for responses. The evaluator then contacted the High Country Disc Golf Club (HCDGC) representative and asked him for permission to post a link to his survey on the HCDGC Facebook Page along with information about the survey and himself. He posted the survey twice on his own timeline, once on the Ultimate page, and twice on the HCDGC page.

Sampling:

The populations that were reached out to with the needs assessment are disc golfers in Boone and the surrounding area. In order to get a sample of this population, the purposive sampling method was used, in which disc golfers in Boone were actively sought out. To start, the Disc Golf Club at the university was contacted; the men's Club Ultimate team was also contacted. The survey link was also posted online to social media sites asking for people that are familiar with and have played disc golf before to take the survey.

The population for the economic impact study is all of the people who have played disc golf at Ashe County Park in West Jefferson, NC, USA in 2014. Ashe County Park does not have any user data or statistics for its disc golf course so the evaluators used the convenience sampling method and stopped once they felt they had reached a sufficient number of responses.

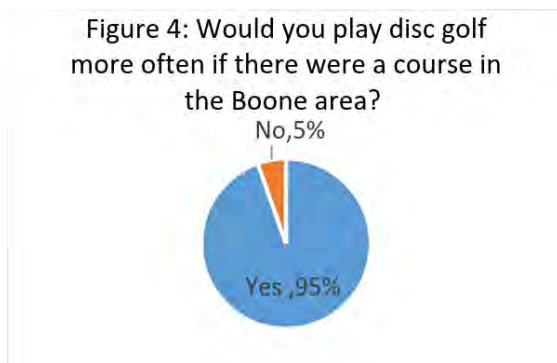
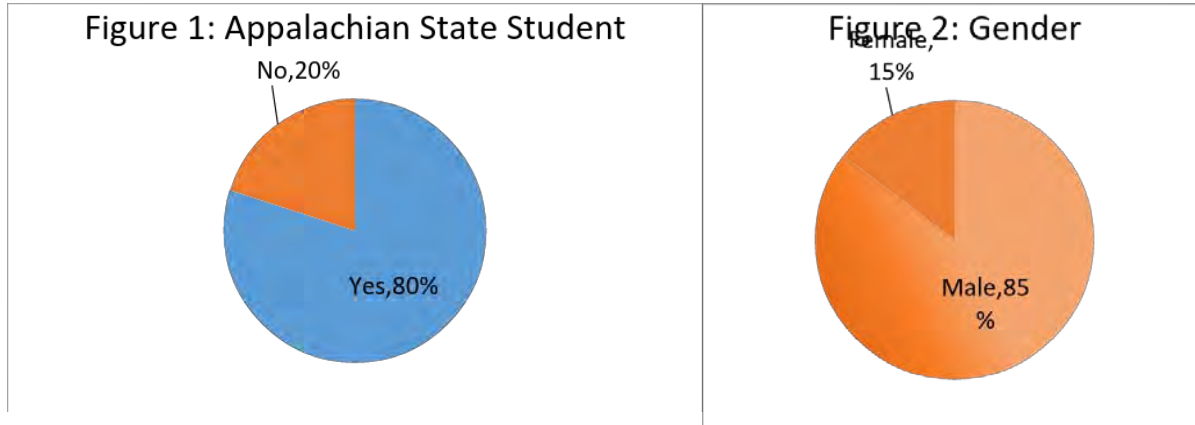
One problem with collecting this data was finding a large enough sample size to represent the entire population of disc golfers in Boone. Another problem is that by posting the surveys to

social media sites, an unwanted plethora of people are given the opportunity to take the survey (in a heartfelt attempt to help their friends with their research). Convenience sampling is a problem because the sample from which data was collected is unlikely to represent the entire population. The data that collected in the park will not give an accurate representation of the population. To get better representation, data would have to be collected at intervals throughout the entire year. People playing disc golf in the park will not want to take a survey. It needs to be clearly explained to them how they are helping and how this benefits them. There will be threats to population validity. This study will be difficult to generalize to the actual population because we will only be collecting data for a few weeks out of the year. Course usage and demographics of users almost definitely change with the season (e.g. there may be rich, retired Floridians that own houses in the high country during the summer and play disc golf only during that season.)

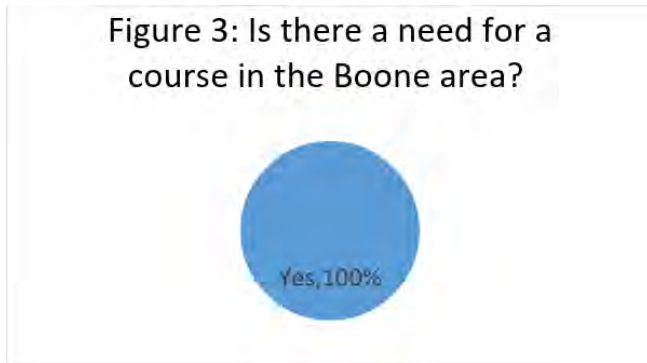
Results

Needs Assessment

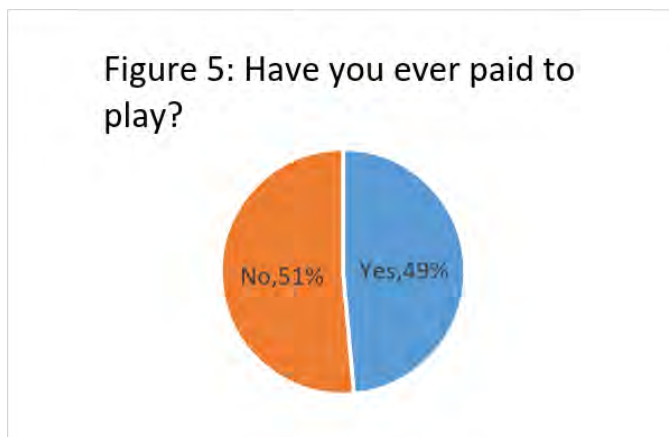
One of the objectives of the needs assessment was to determine the population of people in Boone who would be interested in having a course in the area. We found that out of the 37 respondents, 80% (n=28) are students at the university, and 20% (n=7) were not. (Figure 1). We also found that 85% (n=29) of the respondents were male, while 15% (n=5) were female. (Figure 2). The average age of participants of the survey was 20.8.



Another objective of the assessment was to determine if there was a need for a course in the Boone area. Out of 37 respondents, 35 answered the question. One hundred percent of the respondents answered yes (Figure 3) and that 95% of them said that they would play more often if there were a course in the area. (Figure 4).

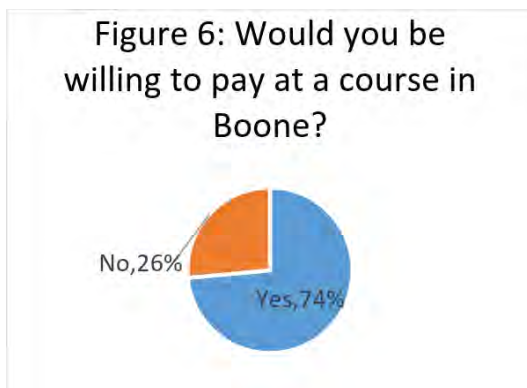


The participants were asked if they have ever paid to play disc golf before. The responses to this question were split very evenly. Half the respondents have paid to play, while half have not. (Figure 5). Of those who have paid to play, the average amount that they paid was 13.1 dollars.

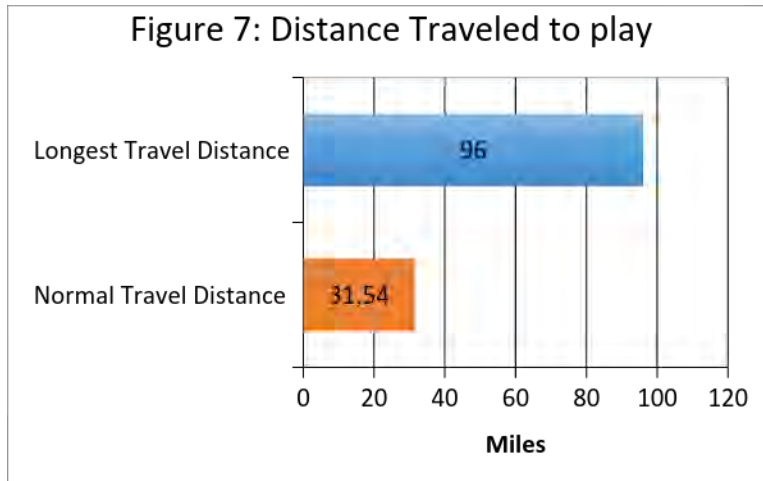


Three-quarters majority of the

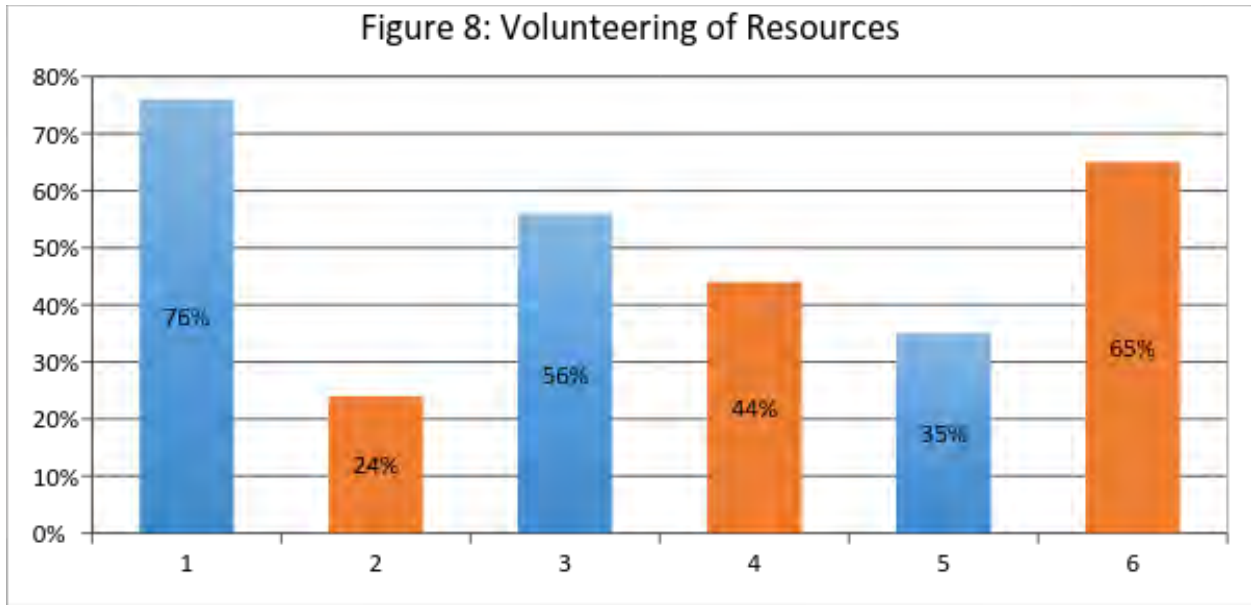
respondents said that they would pay to play at a course in Boone. (Figure 6). The average amount that a participant was willing to pay was 4.2 dollars.



Participants were asked how long they normally travel to play disc golf. The average out of the 37 respondents was 31.5 miles. When respondents were asked what the farthest distance they have ever traveled to play disc golf was, the average was 96 miles. (Figure 7).



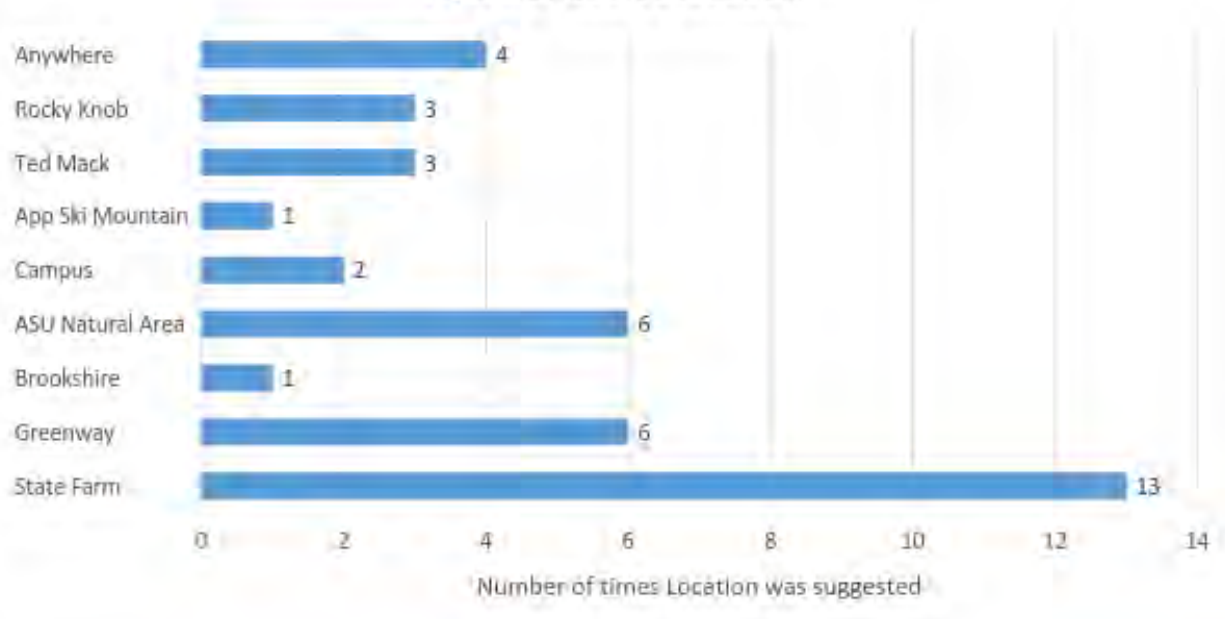
When asked if they could volunteer their time, 76% of respondents said they could, while 24% said they could not. Of those who could volunteer time, most said that they would be able to volunteer twice a week to aid in the construction of a course. When asked if they could volunteer knowledge, 56% of respondents said that they could, while 44% said they could not. Aiding in design and knowing people who have designed a course before were the main areas of knowledge that respondents said they could help with. When it came to money, the majority of respondents, 65%, said that they could not donate money, while 35% said they could. The



average amount that respondents could donate was 24.5 dollars. (Figure 8).

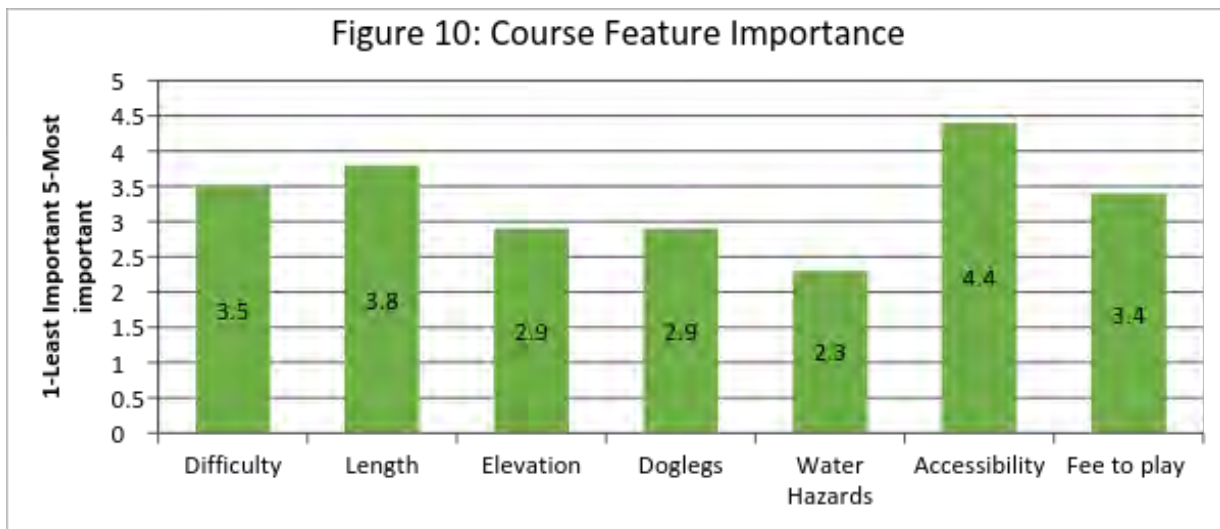
Respondents were asked where they thought a good location for a course would be in the form of an open-ended question. These are the responses received and the amount of times a location was suggested. The State Farm Fields area was suggested 13 times, whereas the Greenway and the ASU Natural area came in second, both with 6 suggestions. (Figure 9).

Figure 9: Course location



Participants of the survey were asked to rate different aspects of a course from 1, being the least important, to 5, being the most important. Accessibility was the highest rated at 4.4, the average score from all the respondents. The next most important aspect was length at 3.8, followed by difficulty at 3.5. Paying a fee to play averaged out at 3.4, while elevation and doglegs both came in at 2.9. The least important feature of a course according to the respondents was water hazards, which ranked at 2.3. (Figure 10).

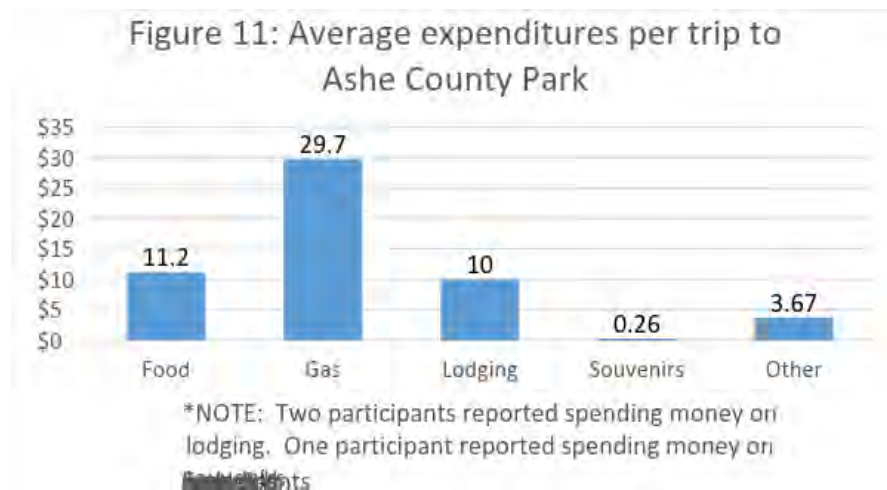
Figure 10: Course Feature Importance



Economic Impact

The results of the economic impact survey showed that respondents travel an average of 52 miles (one way) to play disc golf at Ashe County Park (ACP). (Appendix D, Table 1.1) Out of the 26 respondents, 18 most often travel from Boone to play at ACP. Three travel most often from Hickory, and one each travel most often from Blowing Rock, Charlotte, Huntersville, Wilkesboro (all NC), and Greenville, South Carolina. The respondents played disc golf at ACP an average of 8.7 times this year. (Appendix D, Table 1.2)

Respondents spent an average of \$11.20 on food per trip and \$29.70 on gas per trip. Two respondents spend money on lodging per trip—one averages \$30, and one averages \$160. One respondent spends an average of \$5 per trip on souvenirs. Four respondents average \$3, \$10, \$15, and \$16 respectively on “other” things. No other respondents reported spending money on lodging, souvenirs, and “other.” (Figure 11).

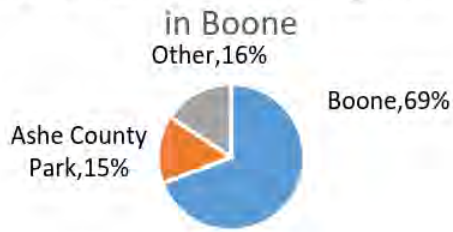


Respondents were asked the question, “Out of ten times playing disc golf, if there were a course in Boone how many times would you play at Ashe County Park

and how many times would you play in Boone?” Results¹ showed that the average respondent would spend 69% of his/her time playing in Boone, 15% of his/her time playing at Ashe County Park, and 16% of his/her time playing other courses. (Figure 12).

¹ The data from which Figure 12 is drawn may contain discrepancies.

Figure 12: Percentage of time spent playing in Boone compared to other places if there were a disc golf course



The majority of respondents are

not enrolled at Appalachian State University. (Figure 13). The vast majority of respondents are male. Only one respondent confirmed as female. (Figure 14).

Figure 14: Gender ratio of participants

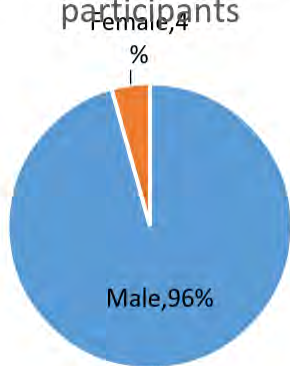


Figure 13: Percentage of Appalachian State students vs. non-App State students



All data from each survey can be found via hyperlink in Appendix C on page 29.

Conclusions

Based on the data, it can be observed that the majority of respondents were young, male, college students that had a high interest in seeing a disc golf course being constructed in Boone. A high majority—95 percent—said they would play more if there were a course. Through these findings it can be concluded that there is a definite need for a course in Boone. The majority of people also said that they would pay to play at this course, as long as the money was used for regular maintenance and upkeep of the course. Based on the data, it can be observed that the people want a course, and that they are willing to pay to play at it. Through the study, it was also found that people travel a lot to play disc golf. The longest distance traveled was 96 miles, and the average distance traveled was 31.54 miles. With a course in Boone, these people would no longer have to spend money on travel costs, which is a big factor for college students with limited funds.

Many people are willing to volunteer their time to construct a course, meaning that finding volunteers would not be an issue in the construction process. A little over half of the participants could supply knowledge of course design, or have a person they could contact that is knowledgeable in design and mechanics of a course. Although the majority of participants were not willing to donate money, those that would donate averaged out at 24.5 dollars per person. Based on these results, people are willing to volunteer and put in effort in order to see a disc golf course constructed in Boone.

An objective of the study was to find out where people thought a good location for the course would be. After being surveyed, many participants said that State Farm would be a good location for a course. The other two locations that came in as runner-ups to State Farm were the

ASU Natural Area and the Greenway. This data shows that Boone residents would prefer the location of the course to be in these areas.

Along with course location, participants were asked what features of a course were important to them. Accessibility was ranked on top with an average of 4.4 on a scale from 1 to 5. Through this data, it can be observed that the course needs to be easy to get to in order for it to reach out to a large population of users. A few less important features were elevation (2.9) and doglegs (2.9). The least important feature were water hazards, which was ranked at 2.3. Showing that users feel indifferent about elevation and doglegs, and that most do not enjoy shooting over ponds, creeks, or rivers.

People who travel to play disc golf at Ashe County Park usually purchase around \$30 in gas and \$11 on food during the trip. Using the standard multiplier of 1.85 with the 26 respondents and an average spending of $(\$11 + \$30) = \$41$ per respondent per trip, the economic impact of the course to the West Jefferson area is equal to $(26 * \$41 * 1.85) = \$1,972.10$. Given that respondents claimed they would spend 69% of their playing time in Boone (if there were a course), we can assume that 69% of that figure ($\$1,360.75$) would be spent in Boone as well.

Recommendations

Based on the data, Watauga County Parks and Recreation, and Appalachian State University should highly consider the addition of a disc golf course to their leisure services in Boone, North Carolina. The data shows that there is a need for a course, and that many people would not only play the course, but also help construct it and provide various resources to aid the cause.

The county or the university could charge a small fee to play the course. Using the money charged to users to play, the organization could keep the course very well maintained and

in top condition. This would in return attract more players to the area, and give whichever organization constructed the course a better public image among the disc golfers in the area.

This increases the marketability of Boone, and the organization running the course.

If an organization were to construct a course in Boone, it is recommended that they do it in an area where people can easily access the course, and an area where they can enjoy playing. Meaning that the organization should avoid a place with major elevation changes, lots of water, and fairly straight holes.

Based on the results of the economic impact survey, the construction of a disc golf course in Boone would generate tourism dollars. Money spent on food, lodging, and souvenirs in West Jefferson would now be spent in Boone, increasing overall direct benefits, which would in return increase indirect, and induced benefits.

There are a few things to keep in mind for the future if a similar study was redone. Putting the survey on a personal Facebook page results in people that would usually be disinterested in the survey actually filling it out. Another change to a future method might be to reduce the bias in the statement "If you are interested in Disc Golf, and would like to see a course developed in Boone or the surrounding area, please take a few short minutes and fill out this survey regarding the need of a course in this area." This statement possibly leads the respondent into an answer they might not actually be considering. A final recommendation for the needs assessment survey is changing one of the answers to question 16. Where it says "Accessibility," it needs to be further broken down to the ease of access into the course (location, drive time, distance). Only saying accessibility is vague and some respondents might believe that it means inclusion for those with disabilities instead of ease of access.

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Appendix A

Disc Golf Course Needs Assessment

Disc Golf is becoming a very popular recreational activity among people of all ages.

With new courses and new players every year, the demand of places to play is increasing.

The growing popularity of the sport requires a needs assessment for a Disc Golf course in the Boone area.

By filling out this short survey, you have the opportunity to voice your opinion on this issue.

"Disc Golf Course Needs Assessment" Survey

Disc Golf Course Needs Assessment

1. Have you ever played disc golf?

Yes
 No

2. How many years have you been playing disc golf? Please be specific (e.g. 2 months, 2 years, etc.)

3. How many times did you play disc golf in 2014? Please be specific (e.g. 10 times)

4. What courses did you play at, and where were they located? (e.g. Ashe County Park, West Jefferson, NC)

5. Do you travel to play disc golf?

Yes
 No

If yes, where? Please be specific (e.g. Raleigh, NC)

6. How long do you normally travel to play disc golf? (e.g. 15 miles, 20 miles, etc.)

7. What is the longest distance you have ever traveled to play disc golf? (e.g. 50 miles, etc.)

Disc Golf Course Needs Assessment

8. Do you believe there is a need for a course in the Boone area?

- Yes
- No

9. Would you play disc golf more often if there were a course in the Boone area?

- Yes
- No

10. Have you ever paid to play disc golf?

- Yes
- No

If yes, how much? (e.g., 5 dollars)

11. Would you be willing to pay to play at a course in Boone?

- Yes
- No

If yes, how much? Please specify dollar amount (e.g. \$5)

12. Where do you think a good location for a course in Boone would be?

Disc Golf Course Needs Assessment

13. Would you be willing to volunteer your time to the construction of a course in Boone?

- Yes
- No

If yes, how much time? (e.g. once a week, twice a week, once a month, etc.)

14. Would you be willing to volunteer knowledge (course design, planning) to the construction of a course in Boone?

- Yes
- No

If yes, please specify your area of knowledge.

15. Would you be willing to volunteer money to the construction of a course in Boone?

- Yes
- No

If yes, how much money? (e.g. 50 dollars)

16. On a scale of 1-5, 1 being Least important and 5 being most important. Please rate these aspects of a disc golf course.

	1	2	3	4	5
Difficulty	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Length	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Elevation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Doglegs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Water hazards	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Accessibility	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Perceived enjoyment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fee to play	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Disc Golf Course Needs Assessment

17. What obstacles do you prefer in a course?

- Ponds
- Streams/Creeks
- Trees
- Doglegs
- Mounds
- None

Disc Golf Course Needs Assessment

18. Are you a resident of the town of Boone?

Yes

No

If no, where?

19. Are you a student at Appalachian State University?

Yes

No

***20. What is your gender?**

Female

Male

***21. How old are you?**

Thank you for taking the time to complete our survey.

Appendix B

"Economic Impact of Disc Golf at Ashe County Park" Survey

Economic Impact of Disc Golf at Ashe County Park

The purpose of this survey is to determine the economic impact of the disc golf course in Ashe County Park, West Jefferson, NC.

***1. How many times did you play disc golf at Ashe County Park in 2014?**

***2. How much money (on average) per trip do you spend in West Jefferson and/or Ashe County when you play disc golf at Ashe County Park? Please list a dollar amount next to each category.**

Food

Gas

Lodging

Souvenirs

Other (please specify with dollar amount)

***3. On average, how many miles do you travel to play disc golf at Ashe County Park?**

***4. From what town and state do you most often travel to play disc golf at Ashe County Park?**

***5. Are you aware that there is no disc golf course in Boone, North Carolina?**

Yes, I am aware of this.

No, I am not aware of this.

***6. Out of ten times playing disc golf, if there were a course in Boone how many times would you play at Ashe County Park and how many times would you play in Boone?**

Number of times playing in Boone

Number of times playing at Ashe County Park

Number of times playing elsewhere (please specify where)

Economic Impact of Disc Golf at Ashe County Park

The following section contains questions about demographic information.

7. In what city and state do you live? (e.g. Greensboro, NC)

8. Are you currently enrolled at Appalachian State University?

Yes.

No.

9. What is your age?

10. What is your gender?

Male

Female

Other (please specify)

Thank you for taking the time to fill out this survey.

Appendix C

Needs Assessment Survey Data

[../Documents/Evalresults.xls](#)

Economic Impact Survey Data

[DiscGolfData11-20-2014/Excel/Economic Impact Data.xls](#)

Appendix D

Table 1.1

Average miles traveled (one way) to Ashe County Park to play disc golf:

30
20
20
35
70
80
30
180
90
30
25
240
75
27
29
37.5
30
30
35
35
30
50
30
30
35
29
Average=52.0192

Table 1.2

Number of times participants played disc golf at Ashe County Park in 2014:

9
12
20
30
10
5
10
2
5
15
20
6
5
6
4
30
1
6
3
5
2
6
4
4
5
2

Average=8.73077



DISC GOLF COURSE

Equipment, Design and Advice

Disc Golf

A minute to learn.

A lifetime to enjoy.

Cover photo: Sea Pines Golf Resort, Los Osos, CA by S. Simons



Approach shot on hole 15, Winthrop Gold Course, Rock Hill, SC

Low cost, high value. Disc golf is a winner.

Two-Time World Champion, Paul McBeth makes a putt on a DISCatcher Pro

Build a course!

2015 DGC Meeting

Getting your course in the ground will take a few simple steps. Most installations do not require heavy equipment or specialized labor. In fact, most course installations are done with basic landscaping tools.



1 Drive

The drive is your throw from the tee. Choose a disc, throw it toward the target. Don't be shy, let one rip!

2 Approach

If your drive isn't close enough to putt, throw an approach to get to putting range.

3 Putt

Finish off the hole with a putt. Getting your disc in the chains or the basket will complete the hole. Count your score and go to the next hole.

1 Design

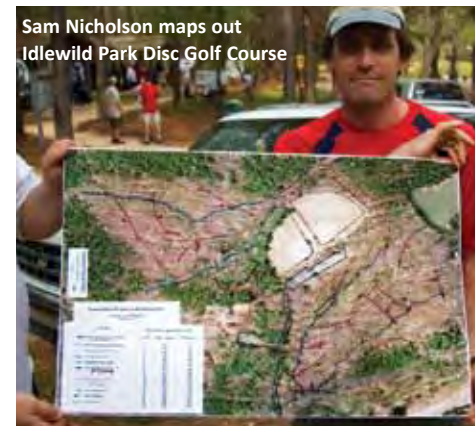
Deciding where your course will be and how the holes will play requires the most planning. Safety, fun, and variety are key.

2 Install

After the design is complete, there may be work defining your fairways. Installing targets and tees will get your course ready for players to enjoy.

3 Play!

Once the course is installed, you'll have years of inexpensive, low maintenance fun for all!



Sam Nicholson maps out Idlewild Park Disc Golf Course



Photo by Sean Mehaffey
Installing a DISCatcher Pro target



Photo by Geoff McNamara

Introducing disc golf into your community offers many benefits:

Social

- Disc golf offers park visitors a fun, healthy way to exercise with friends and family.

Economical

- Disc golf equipment is surprisingly inexpensive to install and maintain.

Environmental

- Disc golf can highlight the features of your property and utilize areas that can't support other activities.

Programming

- Disc golf can provide year round competitive and recreational activities for your park.

Tourism

- A well designed course draws recreational disc golfers to your town. Disc golf tournaments can also increase hotel room nights by drawing competitive players from across your region.

Disc golf can benefit you and your area in many ways. You could be responsible for introducing someone to a life long disc golf habit. It really is addictive and fun.

"We added an 18-hole disc golf course in 1997. The sport was new, low maintenance, and offered a low cost activity for park visitors. Within the first year, our day use visitation, camping and cabin rental increased significantly. Through the sale of Innova discs and accessories alone, we have increased our revenue by \$15,000 per year. We now have seniors, men, women, and families who play. Disc golf is an unbelievable success story for Wall Doxey State Park."

Lyle Richardson, Park Manager
Wall Doxey State Park
Holly Springs, Mississippi



source: compiled July 2013
from www.dgcoursereview.com

Disc golf course growth is booming! A few years ago, only Texas and California had over 100 disc golf courses. Now, 15 states have over 100!

Over 5000 Courses and growing

Over 5000 public and private disc golf courses are now available for play around the world! In 1995, Innova created the DISCatcher® Disc Golf Target. Since then, disc golf course growth has increased dramatically. Few sports can match the positive, steady growth that disc golf has enjoyed over the last three decades. The growth continues with 300+ new disc golf courses each year.

Disc golf can offer a fun and challenging experience for a wide range of players. It can be played from school age through the golden years, making it a terrific lifetime sport. Men, women, boys, and girls all play disc golf. It's a great way to spend an afternoon at the park by yourself, with friends, or with the entire family.

Disc golf is affordable too. A golf disc can be purchased for less than \$10, and most courses are free or charge little to play. Disc golf is available to practically everyone.

More popular than ever

- A top park feature among visitors and managers
- Steady growth for over 30 years
- Over 5000 courses around the world

Great for young and old

- Easy to learn, enjoyable for a lifetime
- A great activity for families
- Seniors, the fastest growing demographic, are taking to disc golf in record numbers

Health benefits

- A low impact activity that gets people walking
- A great way to introduce exercise into your routine
- Offers both upper and lower body conditioning
- A sport for all abilities

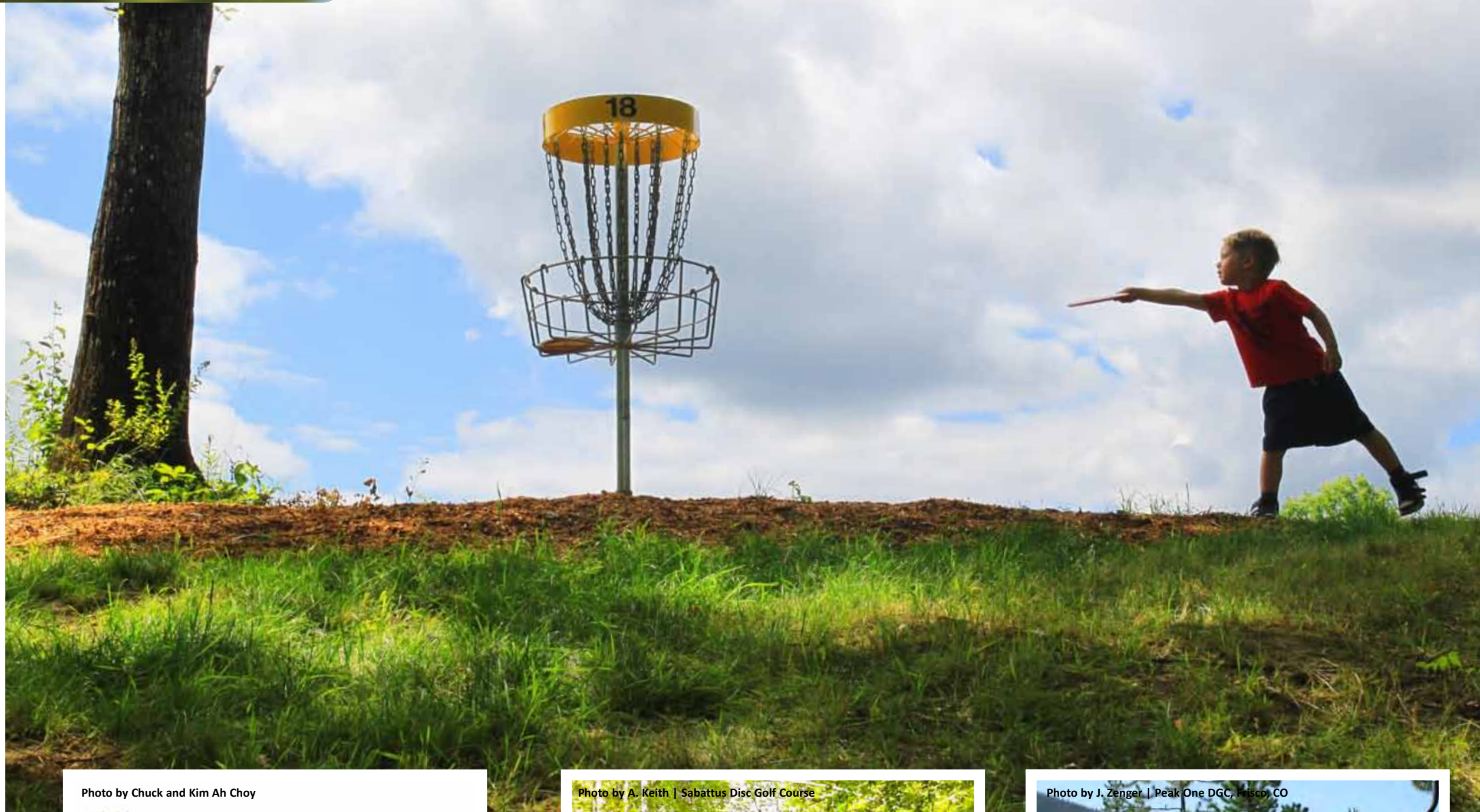


Photo by Chuck and Kim Ah Choy



Photo by A. Keith | Sabattus Disc Golf Course



Photo by J. Zenger | Peak One DGC, Frisco, CO



“Lexington County Recreation and Aging Commission has offered disc golf at their Senior Sports Games for the past 14 years. Disc golf is great because it can be played in so many settings and by diverse skill levels, making it ideal for the older adult population.”

Mary Beth Callais,
Lexington County Recreation and Aging Commission
Lexington, SC

Disc golf can flow around your property in many ways. A course can be routed to take advantage of unique areas and features of your property. Utilizing areas that may not be well suited for other activities makes disc golf a great way to use a larger portion of your park. Disc golf expands your park's appeal.

Highlight your park's unique terrain

- Route players to and around interesting geographical features
- Variety of terrain can create an exciting course design and boost positive feedback which should increase course visits

The glass is half full - Opportunities

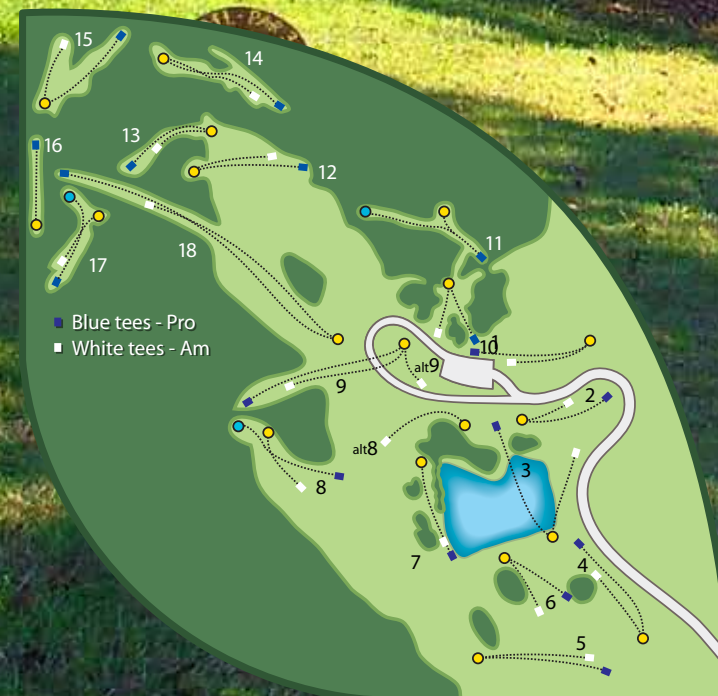
- Take advantage of under-utilized areas of the park (floodplain, wooded areas, steep slopes)
- Displace undesirable activity from an area by adding a frequent traffic stream
- Less used parks can get an attendance boost from a well designed course

Promote your park

- List your course on disc golf course directories to draw players from near & far
- Host a grand opening event to publicize your new course
- Run a charity event on your new course to gain positive media exposure

"Innova Disc Golf has helped put Sgt. Jasper Park (located in Hardeeville, SC) on the map. For a minimal investment, the professionals of Innova have taken an under-utilized piece of property at our county owned park and turned it into a beautiful, adventurous playground. It has brought us visitors from up and down the East coast on a daily basis to experience the beauty and splendor of our park."

Johnny M. Davis, Jr.
Director
Jasper County Georgia Parks & Recreation



Top Ten Reasons To Install a Disc Golf Course

10. A disc golf course can be designed into under-utilized areas of your facility.
9. Disc golf is a sport that everyone can play, regardless of age, ability, or gender.
8. An 18 hole disc golf course can accommodate 90 or more people at one time.
7. Disc golf offers four season recreation across much of the United States.
6. Disc golf attracts people from other areas of the state and country to your park.
5. In many cases, local disc golfers are willing to help with maintenance and upkeep of disc golf courses.
4. Disc golf is easy to learn and provides a lifetime of fun and exercise.
3. Disc golf is inexpensive to play. You can start playing with a single disc for less than \$10.
2. Disc golf can be a source of revenue for a park department or a pay-to-play facility.

...and the number one reason to build a disc golf course...

1. If you build it, they will come.



Disc golf offers park and facility planners a flexible option to expand recreational sports to their patrons. Disc golf is an excellent option for an off-season activity. The lack of expensive equipment makes disc golf a great fit for rentals and sales on-site.

Mountain Resorts

- Mountain resorts have discovered disc golf can attract visitors during the warmer months
- Use chair lifts to increase revenue and create a unique disc golf experience

Private Pay-to-play Courses and Campgrounds

- With enough land, you can build disc golf courses limited only by your imagination
- Pay-to-play can be successful in areas without disc golf, and in areas with busy courses
- Run tournaments, leagues and series to increase player turnout

Golf Courses

- Disc golf can increase revenue from greens fees at traditional golf courses, especially at Par 3 and executive style courses
- A strategically designed dual golf/disc golf course can give players the option to play golf or disc golf, together

College Campuses

- Provides access to low cost recreation for all students. Sell discs in the campus bookstore
- Solicit help from on-campus organizations to raise funds and help with course installation
- Form a collegiate disc golf team, compete in the National Collegiate Disc Golf Championships www.ncdgc.com

Summer Camps and Retreats

- Disc golf can exist alongside other activities
- Disc golf teaches self control, hand-eye coordination and etiquette
- For those who are not interested in team sports, disc golf is a great option

Examples of privately owned disc golf courses (utilizing DISCatcher targets)

Mountain Resorts (over 100)

- Adventure Ridge at Vail - 18 hole alpine course. Vail, CO
- Sugarbush Resort - Two 18 hole courses, one mountain, one valley. Warren, VT
- Campgaw Reservation - Two 18 hole courses. Mahwah, NJ

Camps and Campgrounds (over 90)

- Saugerties/Woodstock KOA - 9 hole course Saugerties, NY
- Camp Sacanac - 18 holes. Spring City, PA

Colleges and Universities (over 150)

- Cal. State University at San Marcos - 18 hole course. San Marcos, CA
- Winthrop University - 18 hole layouts. US Championship Course. Rock Hill, SC
- U. of Alabama Huntsville - 18 hole course on campus. Huntsville, AL

Privately Owned Pay-to-play

- Highbridge Hills Sports Complex - Four 18 hole courses. Highbridge, WI
- Dragan Field Disc Golf - 18 hole course and pro shop. Auburn, ME
- Pyramids Disc Golf - Private course and pro shop. Leicester, MA
- Twin Parks Country Club - Two 18 hole lighted courses. Austin, TX
- Base Camp Adventure Lodge - Private course on unique terrain. Moab, UT

Disc Golf on Traditional Golf Courses

- Center City at Goat Hill - 18 hole course. Oceanside, CA
- Sea Pines Golf Resort - 9 hole course. Los Osos, CA (shown on cover)

Recreational Disc Golf

Park departments across the country have been pleasantly surprised at the level of enthusiasm shown by most disc golf clubs. Many clubs engage in park clean up, course maintenance, and charity work related to their local events. Weekly and monthly singles and doubles tournaments bring golfers out to the course to challenge their fellow players.

Weekly Leagues

Weekly league events will increase traffic to your course. If you schedule weekly league play events, with a set day and time, the word will spread and your course attendance should grow.

Offering local players a league format can create a more cohesive disc golf community. Many clubs run a singles league as well as a doubles league to offer a format that everyone can enjoy.

Disc Golf United (DGU) offers online league management services that provide everything you need to run a successful league. Visit discgolfunited.com or call 1-800-476-3968 for complete details on how to increase weekly play at your facility.



Youth Programs – EDGE

EDGE (Educational Disc Golf Experience) is a non-profit organization dedicated to bringing disc golf to youth. If you are interested in a youth activity for summer programs or after school activities, EDGE can provide all the materials and equipment needed to introduce disc golf to the youth in your community.



For information visit the EDGE web site or call.
 Web site: www.edgediscgolf.org
 Phone: 866-391-3343

Charity Events and Community Events

Disc golf charity events provide a heart-warming opportunity for disc golfers to give back to their community. They can generate positive media exposure for your park.

The Ice Bowl charity series in the winter promotes hunger awareness. Money and food donations support local charity organizations, especially food banks.

Disc golf has been incorporated into numerous state games, senior games, and Special Olympics. Competitors who haven't tried disc golf can easily learn and participate in disc golf with their fellow competitors.

Tournament play

Disc golf tournaments can draw players from your local area and beyond to experience your course and your hospitality. Events range from a single round to multi-day events with all age and skill levels. It's common for players to travel 2-6 hours each way for a weekend tournament, while one day events may draw players from a more local region.

Many events are run by local clubs and organizations. If you are interested in hosting a tournament at your disc golf course, check with the local club to find qualified volunteers who have experience running events. Events can be run in cooperation with your park department and can be used to increase awareness of the disc golf course or to target youth and/or family groups.

Whether it is a local league or a charity event, Innova stands ready to share its expertise and promotional tools to help your local disc golf program thrive.



Sports Tourism

Disc golf tournaments range from small local gatherings to major events drawing players from around the nation and world. A single course can easily accommodate up to 90 players for a tournament. Add a course, and that number doubles. 1125 players attended the 2012 World Championships in Charlotte, NC, playing on 14 area courses. A disc golf tournament can nicely boost your area's tourism income.

Bowling Green, Kentucky has built 10 disc golf courses in their park system. They annually host an amateur disc golf tournament each year with 500-900 players. As an area installs more courses, the possibilities for bigger events, and the economic impact that comes with it, continue to expand.

Professional Disc Golf Association

Founded in 1976, the Professional Disc Golf Association is a non-profit organization dedicated to promotion of the sport of disc golf worldwide. Its 55,000 plus members live and play in more than twenty countries on five continents.

The PDGA is the governing body for the sport. The PDGA maintains the rules of play, equipment specifications, maintains an interactive website, provides members with a full-color magazine called *DiscGolfer*, and is a source of information about the sport.

Every year the PDGA sanctions competitions for professional and amateur players. More than 1600 PDGA tournaments are held around the world annually.

As more people discover disc golf, more players are attracted to competitive events. The demand for more PDGA sanctioned events is continually growing.



Three-time World Champion, Valarie Jenkins sizes up an approach at the U.S. Disc Golf Championship in Rock Hill, SC

Become a PDGA Member

Benefits of Joining the PDGA

- Over 18000 current members to compete against
- Over 1600 yearly events to attend worldwide
- Your own skill rating based on tournament play
- Save on entry fees at every PDGA tournament
- Receive a subscription to *DiscGolfer* magazine

For information visit the PDGA web site or send an E-mail:

Professional Disc Golf Association

E-mail: office@pdga.com
 Web site: www.pdga.com



Am. Legends (70+ years old) World Champion, Robert Burton at 2010 Am World Championships

Course design is the most important phase in constructing a successful disc golf facility. A well-designed course will benefit players, the environment, and your attendance record. It's not just about making the holes play well. An experienced course designer will take into account the many other factors that are important in creating a successful, well received disc golf course.

Extracting the most from your land

- Route players to and around interesting geographical features
- Variety of terrain can create an exciting course design and boost positive feedback which increases repeat visits

The glass is half full - Opportunities

- Make the most of areas that may be under-utilized (floodplain, wooded areas, steep slopes)
- Displace undesirable activity from an area by adding a frequent stream of foot traffic
- Less used parks can get an attendance boost from a well designed course

Build excitement, emphasize fun, reduce trouble

- Plan exciting holes when possible
- Make it challenging, not frustrating to play
- Identify and utilize unique park features



Course design - The best money you can spend on a disc golf course

Designing a disc golf course can be a daunting task. While finding a good flow, negotiating obstacles, creating intriguing holes, and designing a fair course are important, safety should always be the top priority. Getting the most pleasing and safe (to both players and park users) course requires careful planning. A good course designer weighs all these factors and more in the process of designing a course.

Why good design is important

Good design is valuable. It improves both sides of the disc golf ledger. Well designed courses deliver more recreational benefits – they tend to be played more, and those rounds are enjoyed more by the players. From the cost side of the ledger, good design tends to reduce expenses. A good designer creates with the mind set of a steward - working with what occurs naturally and considering maintenance and sustainability down the road.

How many holes should we design?

One thing we know for certain, 18 hole courses are almost always more successful than 9 hole courses. For many of the same reasons that not a lot of golf courses are 9 holes, disc golf tends to thrive in an 18 hole configuration. If you have room for an 18 hole course, people will travel farther to visit your park than if you have 9. If you only have room for 9 holes, consider multiple tees to maximize your investment. A good course designer can help you in making a decision on how large and where to best install your disc golf course.

Photo by T. McBrian | Toney's Mountain Golf, Grass Valley, CA



"Innova has provided me with the valuable support necessary to ensure the success of my disc golf projects here in the Augusta area. The expertise of their staff is unmatched and they continually set the standards for excellence in the sport. I would highly recommend Innova to anyone interested in disc golf course development."

Brian Graham
Executive Director — PDGA

Good Course Design Should Take Into Account Several Factors.

Safety –

- A well-designed course places a premium on safety for players and other park visitors.
- Don't throw towards paths if possible. Design holes to play away from active areas.
- Fairways should never crisscross.
- Never play toward playgrounds.

Fairness –

- A fair course rewards good throws, punishes bad throws, and provides varying degrees of success for throws in between.
- Good course design doesn't accentuate the element of chance.
- Placing targets too close to out-of-bounds areas can punish good throws and lead to frustrated players.
- Tunnel shots reward accuracy, but should leave room for good recovery shots for those who don't execute the drive.

Balance –

- A well-balanced course will have a mix of long and short, open and tight, left, right and straight fairways.
- Remember that players are both right and left handed, and throw backhand and forehand.
- Try not to string together holes that require the same shot over and over.

Variety –

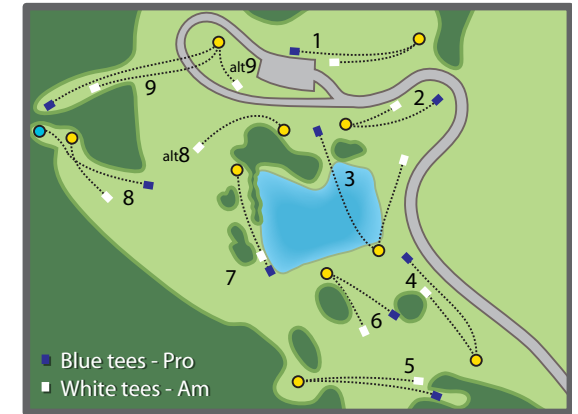
- The course should require a wide variety of different skills (shots) to avoid obstacles, to negotiate terrain challenges and to score well.
- Route players up, down and across terrain. Mix wide open holes with tighter fairways. Place baskets to the left, right and center of the fairway.
- More variety means players become well rounded playing your course.

Strategy –

- The design should cause players to put a premium on correct shot selection and placement.
- A par four hole adds more strategy than a par three.
- Save some strategic choices for your last four holes, where heated contests can be won.

Character –

- Course design should highlight the special features and inherent beauty of the land itself.
- Find a unique obstacle, tree, or land feature and create a great hole around it.
- A string of holes that utilize a unique aspect to your course can make it memorable.
- Emphasize the local flora on your course if possible.



"A good course designer has detailed knowledge of the flight patterns of modern discs, keeps up with trends in course design, and is familiar with top courses around the world."

– Harold Duvall, Senior Course Designer (DGCDG)
Designer of more than 40 courses, including the Winthrop Gold Course, home of the US Disc Golf Championship



Photo by A. Wright | Chattooga Belle Farm, Long Creek, SC



Course Equipment: DISCatcher® PRO Targets

DISCatcher® PRO28 Targets

The most obviously unique part of a disc golf course is the target. In the early days of disc golf, trees, light poles, and trash cans were designated as targets. The DISCatcher® PRO28 represents the state of the art in disc golf target technology. We've upgraded the baskets and tops to catch better than ever. With 28 chains and a 14 spoke basket, they are the gold standard.

The Innova DISCatcher® PRO28 is the best catching and most visible disc golf target. The DISCatcher® PRO28 is a favorite of parks departments and course professionals — in 2012 over 200 new courses were installed using DISCatcher® PRO28 targets. The bright yellow band improves visibility from the tee and also distinguishes the disc golf course to other park visitors.



Photo by S. Simons | Sky High Disc Golf Course, Wrightwood, CA

Disc Golf is a four-season sport, and our targets are designed to stay in the ground all year.

DISCatcher® PRO Benefits

HIGH VISIBILITY TARGET TOP

Our yellow powder coated target top makes the Innova DISCatcher® PRO28 highly visible. All stainless steel construction makes it long-lasting and low maintenance.

BUILT TO LAST

Hot-dip galvanized basket, pipe and chains allow our targets to weather the elements for years. Our target tops are made entirely from stainless steel.

LAYERED CHAINS CATCH BETTER

14 outer chains grab your disc, while 14 more inner chains buffer and slow the disc. This makes the DISCatcher® a favorite target of players.

INSTALLATION TUBES INCLUDED

Don't pay extra! DISCatcher® PRO permanent target prices include locking collars and installation tubes.

PDGA APPROVED

DISCatcher® PRO permanent and portable models have received Championship certification by the PDGA. It is ideal for all levels of tournament play.

Custom Color Targets

Is your course in need of a blast of new color? Does your school want a disc golf course that matches the team's colors? Maybe you want multiple pin placements on your course all the time. You now have the power to customize!



Our custom target colors are only limited by your imagination. Please contact Innova for more information and pricing.



Photo by K. Morrow | Nevin Disc Golf Course, Charlotte, NC



Extra Installation Tubes

If you have multiple course layouts, you'll need additional pin placements. Install a tube for each target location and you can easily switch positions to alter your course. Multiple pin placements give players variety and reduce wear from foot traffic around the target.

\$25 per additional Installation Tube

Quantity	Pricing	Shipped Weight	Approx. Freight
1 DISCatcher® PRO28 target	\$425.00	72 pounds	\$65
9 DISCatcher® PRO28 targets	\$325.00 each (\$2950.00)	650 pounds	\$300-450
18 DISCatcher® PRO28 targets	\$325.00 each (\$5850.00)	1300 pounds	\$550-800

Innova Disc Golf Course Packages

The easiest way to select your course equipment is to order one of our pre-configured Innova Disc Golf Course packages. Our packages contain the special items needed to get your course in the ground.

Our course packages include: Innova DISCatcher® PRO Permanent targets, installation tubes for ground installation, INNOsign tee signs, and a rules sign to explain how to play disc golf.

Each target comes complete with everything needed (except your padlock). Completely assembled chain rack, basket, center post with locking collar, and ground installation tube. The DISCatcher® is approved for play in all Professional Disc Golf Association events.

The INNOsign Tee Sign includes our molded sign frame, UV treated printed sign on sturdy .080" aluminum backing, Lexan® cover and mounting hardware. Signs show hole number distance(s) and par. These signs are included in our course package, premium signs are available as an upgrade (see facing page)

The final piece is the recreational rules sign which introduces players to six basic rules to play by, allowing for safe, fair, and enjoyable rounds.

In addition to our course package, you'll need to supply: locks for your DISCatcher® targets (we recommend a set of matching locks), sign posts, and concrete for target and sign installation. All of these are easily obtained at local home stores.

INNOsign Tee Signs

The INNOsign Tee Sign was designed for value and simplicity. We make the frames in our own factory and custom print each sign with your detailed specs, hole number, distance, and par. Each has a protective Lexan® sheet and aluminum printed sign. They are supplied with hardware to mount them to wooden posts. We recommend treated 4"x4" lumber.



Tee Sign

Rules Sign

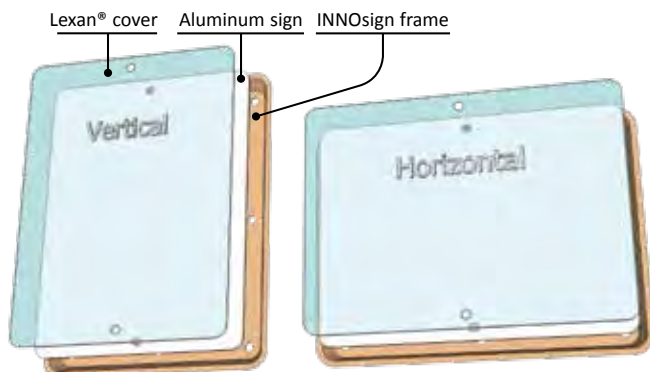
Innova Disc Golf Course Pricing†

Course Size	9-Hole	18-Hole
DISCatcher® PRO Targets	\$2925	\$5850
INNOsign Tee Signs	\$360	\$720
Rules Sign	\$40	\$40
Freight (estimated) *	\$400*	\$800*
Equipment Total	\$3725	\$7410

† Prices subject to change. Please call for most up to date prices.
* Freight pricing is estimated. Please call for specific freight quotes.

Purchasing for the Government?

Innova products now available through GSA Advantage!® Online Shopping.



INNOsigns can be designed and mounted vertically or horizontally.

INNOsign and Rules Sign Pricing

Quantity	Pricing
INNOsign (printed)	\$40.00 each
9 INNOsigns (printed)	\$40.00 each (\$360.00)
18 INNOsigns (printed)	\$40.00 each (\$720.00)
Rules Sign	\$40.00



Take your course over the top!

To really add some pizzazz to your course, add flags to your baskets. Not only do they look sharp, they provide players with a read of the wind and can inform non-players that disc golf is played much like golf. Our flags are easy to install on top of a DISCatcher® PRO with minimal work. Made with a high grade nylon base, fiberglass pole, and stainless steel hardware.

Flagsticks extend 32 inches above the target, and the flags themselves are 14 by 20 inches. They can be stored and installed for tournaments or left in place year round. **\$30 per flag (includes flagstick and mounting bracket).**

Tee Markers

Our Tee Markers allow you to set markers for grass tees by drilling a pilot hole in the ground and hammering a stake in place. These are great for natural tees, but also work when you want to add another tee position to an established course, or to mark a drop zone on holes that require a rethrow. They come in red and blue, and are an economical way to mark your course. Stakes are designed to go in easily, but not to come out easily. **\$20 per pair.**



Innova Tee Markers

HouckDesign Course Signs

Nice tee signs increase the player experience. Great looking tee signs can pay for themselves through strategic sponsorship. Individual tee signs keep throwers on target and aware of hazards and safety issues. Visiting players will have a better experience on your course. Overview and Rules signs educate players and visitors about safety and proper play.

We've partnered with HouckDesign to offer the best signs available to give your disc golf course a professional and personal touch.

For up-to-date pricing and options, call 512-970-9001

All HouckDesign Signs feature:

- UV-resistant inks
- UV- and graffiti-resistant coating
- 0.08" aluminum sign base

HouckDesign.com
512-970-9001

Gold Level Tee Signs

9" by 12" full color signs with hole map and sturdy metal frame

Platinum Level Tee Signs

12" by 18" full color signs with hole map and sturdy metal frame

Overview Signs

24" by 36" full color sign with course map and sturdy metal frame

Rules & Safety Sign

12" by 18" full color signs with hole map and sturdy metal frame



Gold

Platinum

Overview

Rules & Safety

Planning your Budget

Disc golf course designs are very flexible. The scope of your project, target audience, and your imagination all play an important role in defining the “personality” of your course. A simple 9-hole course can be built on as little as two acres for around \$3500. You can expect to utilize one to two acres per hole for a championship caliber course.

Disc golf courses can be installed in phases and upgraded over time. Concrete tees, benches, trash cans, practice targets, alternate pin placements, and bridges are all features that can be added after your course is first established.

Design

Investing in a course designer can be the best investment you make in your disc golf course. Look to spend \$400 per hole for a designer's services. This will usually include marking tees and target positions, flagging trees for removal, and sketched out maps of the course and individual holes with appropriate par for the course. The cost is a bargain over the life of a well designed course.

Targets

Targets are the most important piece of equipment for your course. Innova targets are highly visible, good looking, great catching and long-lasting. The DISCatcher® PRO28 is approved by the Professional Disc Golf Association for Championship Level play.

Tees

Tees provide a surface from which disc golfers “tee off”. Tees should be as maintenance-free and slip-resistant as possible. Choose a tee—natural, artificial, or concrete—that suits the needs of your course and budget. Innova can recommend options and provide instructions.

Signs

Tee signs provide information such as the par, distance, routing, and any obstacles for the hole. There is a tee sign option to fit every budget.

Materials and Expenses

Don't forget to budget for additional items such as bags of concrete, locks, weed-killer, wood for tee forms, gas for power equipment, and even chainsaw blades. Budget more time and effort for wooded holes that require tree cutting and clearing. Open holes should require much less preparation.

Partnering for Success

While you may have all the resources to build your course; equipment, materials, labor; you may be missing one aspect that can increase your exposure and also help balance your bottom line. Working with a promoter can help you build connections to the disc golf community and generate sponsorship that can reduce your investment initially and over time.



Plays It Forward offers a unique service. They'll design your tee signs and even a course sign that have integrated ads targeted at local businesses. Each ad features a QR code that allows a smartphone to access the company's website. They can even design introductory videos to explain the game to new players. All this while paying for the tee signs and investing in the course and community.

Plays It Forward
864-952-9545
www.playsitforward.com

Know What's Below. Call 811 Before You Dig!

811 is a national hotline to make sure you are not about to hit any dangerous and vital pipes, cables, or lines. Plan this for a few days prior to any actual digging. Be safe, call 811 first!



As the Disc Golf Experts, Innova can help you maximize your disc golf fun and revenue.

On-site Merchandise Sales and Concessions

Busy courses with on-site concession facilities can enjoy annual sales of \$50,000 or more from golf discs and accessories alone. Snack and beverage concessions can generate considerable additional revenue. Parks that already have on-site personnel or concession operations can easily begin sales of golf discs. Facilities with on-site tennis pro shops or traditional golf pro shops can add a complete line of golf discs and merchandise with a minimal investment. Another option is to contract with a private operator to set up a full line pro shop. This can generate revenue through leasing payments and/or a share in the revenues from sales and pay-to-play fees. Innova offers a complete line of golf discs, equipment, accessories and apparel. Call for complete details on how to offer disc golf merchandise sales at your facility.

Organized Events

You can increase awareness of disc golf in your community and generate revenue through organized events. Custom disc sales with event information and custom artwork can help generate additional revenue for events.

Custom Disc Sales

Provide an extra boost to on-site sales with the addition of custom stamped discs and mini markers. We can hot stamp your logo or artwork on your choice of golf discs. We can also place full color artwork on select disc models. Many players enjoy purchasing custom discs as souvenir reminders of your disc golf course. Call for complete information, disc model availability and pricing.

Request a copy of our product catalog to find out all the cool things Innova offers to make disc golf more fun!



A Disc Golf Pro Shop will make your course an attraction for local and regional players. With disc prices starting below \$10, players will be willing to purchase golf discs regularly. Some items Innova can supply your Pro Shop:

- Golf Discs — Putters, Mid Range, and Drivers. A wide variety is available for beginner to professional level players
- Disc Golf Bags — Specially designed bags for organizing and toting discs and gear
- Apparel — shirts, hats, towels
- Practice Targets
- Rule Books, DVDs, Accessories



Installation Overview

IMPORTANT! Call 811 to inform local utilities of your project so they can mark/flag any underground lines.

Before you can set the targets in the ground, you will need to set an installation tube in the ground for each target location. It is important to install each installation tube straight and at a proper height. The following will walk you through the proper process.



Digging the Holes for Each Pin

Using a posthole digger or an auger, dig holes approximately 24 inches deep and 8-10 inches in diameter. Dig straight down, allowing room for alignment.

Installing the Pin Placement

1. Tape the bottom of the tube. This prevents any concrete from seeping into the tube. Concrete in the pipe will prevent the pole from sliding all the way down into the tube.

2. Position tube in the hole. The locking tab should be level with or an inch below grade. Set the tube down in the hole, align the locking tab so that it points towards the tee or last bend in the fairway (so the number on the target will face players as they walk down the fairway). Give enough space to place a lock on the locking tab.

3. Slide the DISCatcher® pole into the tube. Make sure the locking tab is attached. The pole will prevent any concrete from getting into the tube, and make it very easy to align the tube to sit straight.

4. Pour in mixed concrete. Pour in concrete to fill all but the top 3-4 inches. You'll need room for the lock to hang.

5. Triple check that it's plumb. Stick a level against the pole, and move the pole until the bubble is centered. Move the level 1/4 of the way around the pole to measure straightness on the other plane. Double check that the tab is facing the tee or center of the fairway.

Once the pipe is plumb, remove

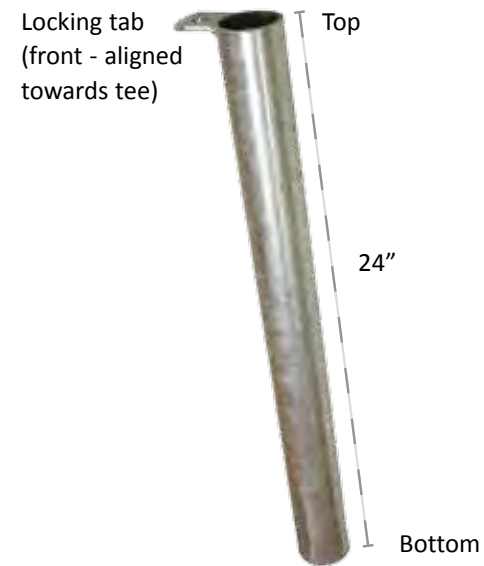
the DISCatcher® pole carefully. Wipe any excess concrete from the locking tab.

Do not install targets for at least 24 hours. The concrete needs about a day to set. Allow for more time in wet weather.

Install with sprinkler valve box. If you are installing sprinkler valve housings, set pole height one inch below grade. This allows for the sprinkler box to lay flush with the ground. Press sprinkler box into poured concrete after you've squared up the pole. Make sure you have room to install the lock.



Installation Tube Terminology

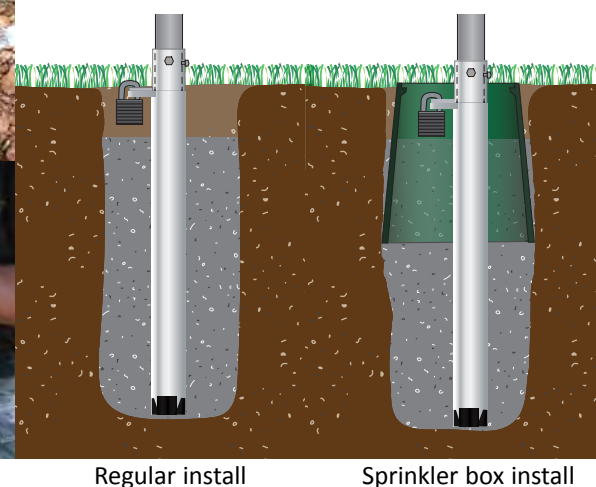


Parts Needed to Install Tube:

- One installation tube per pin placement
- One DISCatcher® pipe with locking tab installed
- Optional: 6" sprinkler valve box

Tools/Supplies You Will Need:

- Posthole digger or auger with 8" bit
- Magnetic level or long carpenter's level
- Duct tape (to seal the bottom of the tube)
- 60-80 pounds of concrete per pin placement
- A long spade AKA "sharp shooter"



The Importance of Good Tees

Each disc golf hole begins from a tee. A safe, consistent tee surface will improve the appeal of your course. Tees can be as simple as a pair of painted rocks to designate the teeing area. While some courses have natural tees, the preferred tee is a textured slab of concrete.

Natural Tees

Natural tees are the easiest to install, and cost little. With time, however, natural tees can wear if not maintained. Natural tees work best in dry climates and sandy soils. Areas that receive a lot of rain or have loose soil should consider concrete. Natural tees can allow time to evaluate if a hole design is ideal before permanent tees are installed. Our plastic **Innova Tee Markers** can be added for \$20 per pair.



Photo by C. Hall | Birds of Paradise, California

Natural tees can offer the least impact on the environment. Avoid using in high traffic areas.

Rubber Tee Mats

Innova now offers rubber tee mats that allow for flexibility of placement, great grip, and reduced maintenance over natural tees. Our rubber tee mats can be sized to order, from 3' by 5' up to 5' by 12'. They are a good option for courses that have multiple tees, tees in extreme locations, and as an upgrade for existing natural tees.

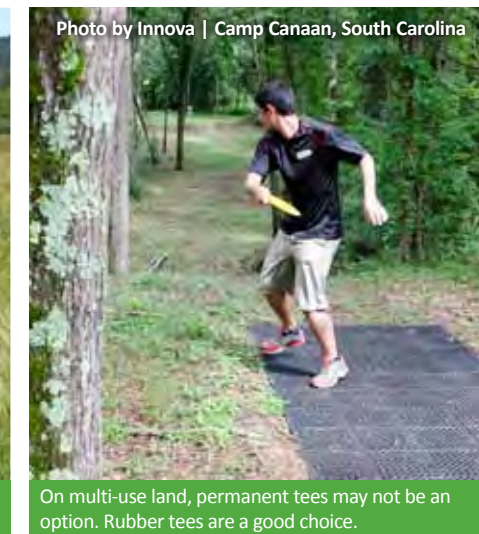


Photo by Innova | Camp Canaan, South Carolina

On multi-use land, permanent tees may not be an option. Rubber tees are a good choice.

Concrete Tees

Concrete tees with a coarse finish provide an ideal throwing surface. They are virtually maintenance free. Properly installed concrete tees can last for decades. A firm, level, slip-free surface is ideal for long power drives. Concrete tees are the most maintenance free, long lasting tee surfaces. For permanent courses, concrete is the logical choice to provide a consistent maintenance-free surface for years to come.



Photo by S. Simons | Waller Pines DGC, California

A long concrete pad is ideal for a "bomber" hole where generating power is crucial to a good drive.

Innova Rubber Tees

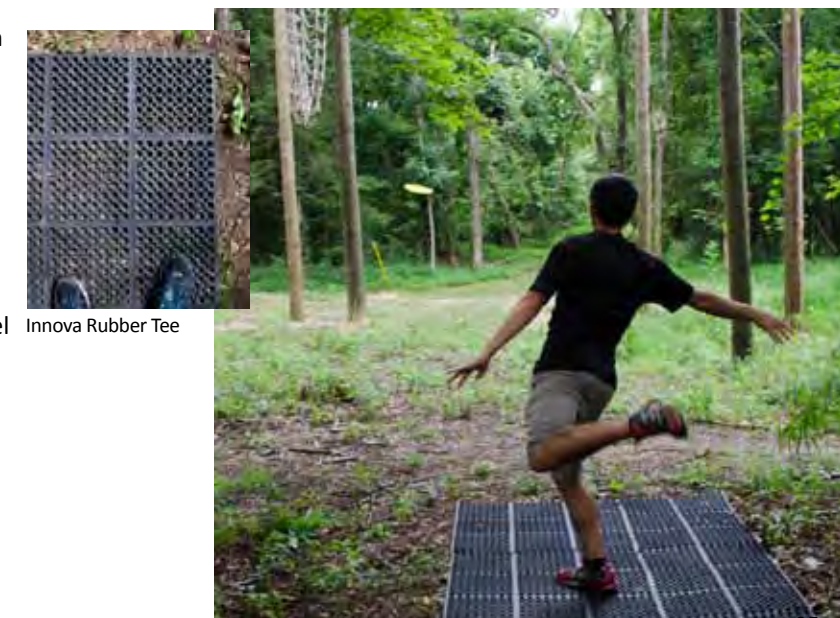
Innova now offers customizable rubber tee mats that can be tailored to suit specific needs. Each rubber mat is 3' by 5' and features a grippy material with unique honeycomb design that is suitable for many conditions. Our staff can stitch multiple pads together to form larger mats up to 12 feet long. The mats work well in a variety of environments and can be used for temporary or permanent applications. The honeycomb design allows them to drain and dry easily.

For permanent installations, we recommend bolting to a plywood base or creating a level base layer of crushed gravel or sand. Our mats are ideal for ski resorts, golf courses and other seasonal courses. Please allow a few weeks if stitched pads are needed. Each 3' by 5' section weighs 33 pounds. Due to weight, Rubber Tee Mats ship by motor freight.

\$35 per 3' by 5' section. \$15 per stitching.

A stitched 5' x 9' pad costs \$135 plus shipping.

(3 mats for \$105 plus 2 stitchings for \$30)

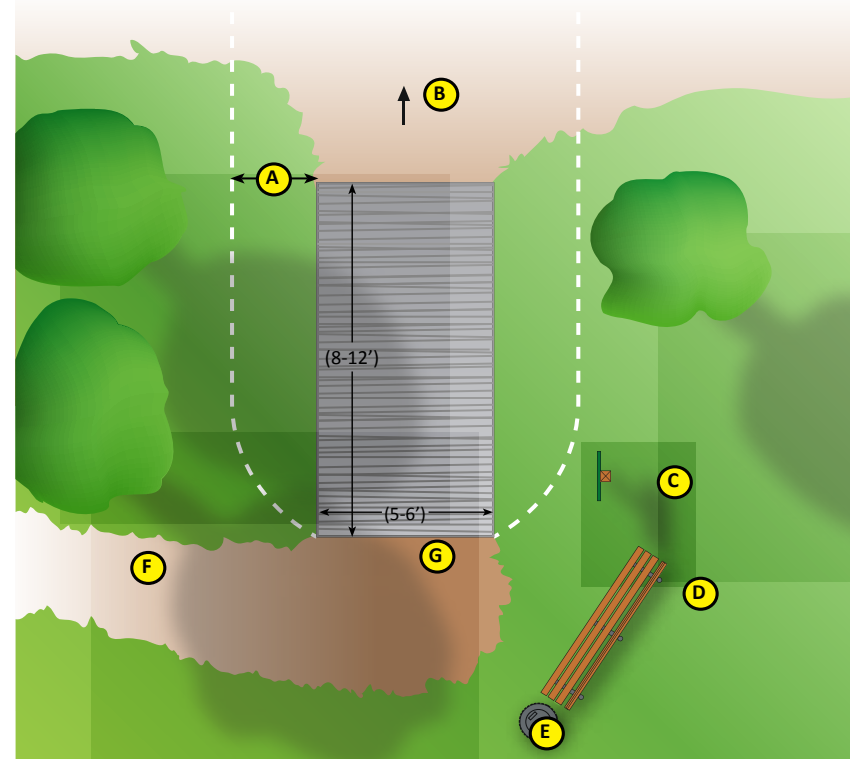


Innova Rubber Tee

Proper Tee Design and Construction

Tees should always be as level as possible, not sloping more than 1/2 inch per linear foot, or no more than 6" from front to back of a 12 foot tee. Tees should also be level from side to side, and should not slope off sharply in front of the pad. Ideally, the pad is on flat level ground with three feet of flat level space in front and to the sides, and six feet to the rear for those who like to approach the pad with some momentum. Edges of the pad should not drop off sharply, especially on long open holes which may require a follow through. Properly installed tees will increase enjoyment and safety on your course.

Tee Area Layout



- A: Minimum distance from edge of tee to an obstacle is three feet providing a clean release when throwing.
- B: Area in front of the tee should be a smooth transition to facilitate a smooth and complete follow-through.
- C: Tee sign should face players approaching tee from previous hole. The tee sign should be visible from the tee.
- D: Bench (if installed) should be behind the tee. Not too close, some players use a "run-up" when they throw drives.
- E: Trash cans will minimize litter.
- F: Path to hole should be behind tee.
- G: Run-up area.

Installing Tee Pads

One of the most critiqued components of a disc golf course are the available tees. A well built textured concrete tee can reduce negative impressions. The tee usually consists of a flat, level area about five to six feet wide by eight to fifteen feet long. Unlike golf, where players are stationary during the drive, disc golf drives can utilize a walk-up or run-up to generate more power and momentum. Creating an ideal surface for players to throw from will make your course more appealing to new and experienced players alike.

Concrete tees represent the professional standard for disc golf. They require little maintenance when installed correctly. With the right tools, you can create a textured surface that allows players sure footing in most weather conditions. Concrete tees require some preparation and labor to install, but the investment produces a superior tee surface preferred by a wide range of players.



A prepared crew of workers makes tee construction easy.



A level form is best for sure footing. At or slightly above grade is ideal.



Frame is ready for concrete.

Concrete Tee Pad Installation

Prior to Tee Pouring:

1. Your tee area should be as level as possible. Grading the ground for the tee will create the most stable surface. A level tee provides players with a consistent surface to throw from.
2. Flag out the corners of your tee. The tee should be square with the center of the fairway, not necessarily the target. The tee should be between five and six feet wide, and eight to fifteen feet long. You can conserve with smaller pads (5'x8') on short wooded holes, but many players appreciate larger tees (6'x12') on longer, more open holes.
3. Dig out the rectangle that designates your tee area. Create a three inch deep base dug out of the ground. The base should allow you to frame with 2x4s and be just above the surface of the ground. This prevents the tee from being washed over during heavy rain.
4. Stake down the edges of the outer frame and use deck screws to secure the corners together. Check for level at the ground plane. Add or subtract under the frame to create a level square tee area. Backfill under the frame to prevent concrete from leaving the form during tee pouring.
5. Optional but recommended: In heavy use areas, it may be pertinent to lay down a section of reinforcing wire mesh or rebar to strengthen the pad and prevent cracking from vehicle traffic.

Day of Tee Pouring:

1. Have the proper tools and a crew of workers: Concrete sets quickly, so it's better to have more people come, even if they end up standing around. Gravel rakes, shovels, a 2x4 two feet wider than the tee width as a screed, a trowel, a concrete float, wheel barrows, tee texturing tool (see inset). A large labor force can install a lot of tees in a short amount of time. With enough wheelbarrows and shovels and rakes, eighteen tees can be poured in about four hours.
2. Organize into teams. One well prepped person per team and a few laborers to move concrete. Pour concrete into form until just slightly overfull. Use rakes to compress concrete in corners and remove air. Rest the 2x4 across the front of the tee. Start "sawing" back and forth while slowly moving the 2x4 towards the back of the tee. This makes sure there is enough concrete for a nice level pad. If there are any gaps under the 2x4, fill them in with additional concrete and keep going until you have covered the entire tee. Excess concrete gets pushed off the end of the form.
3. Float the concrete. The float is used to create a smooth surface, and to push down the rocks in the aggregate. This is important so they won't be pulled up during texturing. This is a job for your most experienced person.
4. As the concrete goes from soupy to sticky, maybe 40 to 60 minutes, it's time to apply the texture. From the side, take the texturing tool and drag it gently across the tee. This texture will provide players with optimal traction in all conditions.

3. Float the concrete. The float is used to create a smooth surface, and to push down the rocks in the aggregate. This is important so they won't be pulled up during texturing. This is a job for your most experienced person.
4. As the concrete goes from soupy to sticky, maybe 40 to 60 minutes, it's time to apply the texture. From the side, take the texturing tool and drag it gently across the tee. This texture will provide players with optimal traction in all conditions.

In busy parks, it may be important to guard your tees while they set to prevent concrete graffiti.

After Tee Pouring

In a day or so, your tees will be set. The frames can remain if you like, but wait a week to remove them. Backfill dirt around the tee to create a smooth transition on and off your tee pad.



Once enough concrete is in the form, use 2x4 to screed, filling all areas.



As you screed, you may need to fill in low areas with excess concrete.



Float the concrete to force rocks down. It will help with texturing.



The texture tool: broom, a few screws, washers, a 2x6, and AstroTurf mat.



Drag the texturing tool across the pad from the side.

DISCatcher® Disc Golf Target

PRO
28



Permanent Model Features

Target Top — Visible and Durable. All stainless steel construction. Each target top is also powder coated bright yellow to provide great visibility on the course.

Chains — Made to catch discs and withstand abuse. 28 strands of galvanized 2/0 chains. (14 outer, 14 inner)

Basket — 10" deep basket helps prevent discs bouncing out. Collects multiple practice putts without interfering with chain action. Galvanized 3/8" steel rod construction. Our 14 spoke basket design with additional ring support adds strength and reduces possibility of discs squeezing through basket.

Pole — Our hot-dip galvanized 74" pole is made with sturdy 1/8" walls. Each is pre-drilled for target top, basket, and collar hardware.

Locking Collar — Hot-dip galvanized finish. Securely fits over pole mounted with tamper resistant screws. Included in price.

Installation Tube — 24" long hot-dip galvanized steel tube. Provides a snug fit for the target at PDGA approved height. Aligns with locking collar for security. Included in price.

DISCatcher® PRO 28 Benefits

HIGH VISIBILITY TARGET TOP

Great visibility allows players to spot the target and gauge distance to the target. Our yellow powder coated target top makes the Innova DISCatcher® PRO highly visible.

BUILT TO LAST

Hot-dip galvanized basket, pipe and chains allow a DISCatcher® PRO target to weather the elements better than painted or zinc plated baskets.

28 LAYERED CHAINS CATCH BETTER

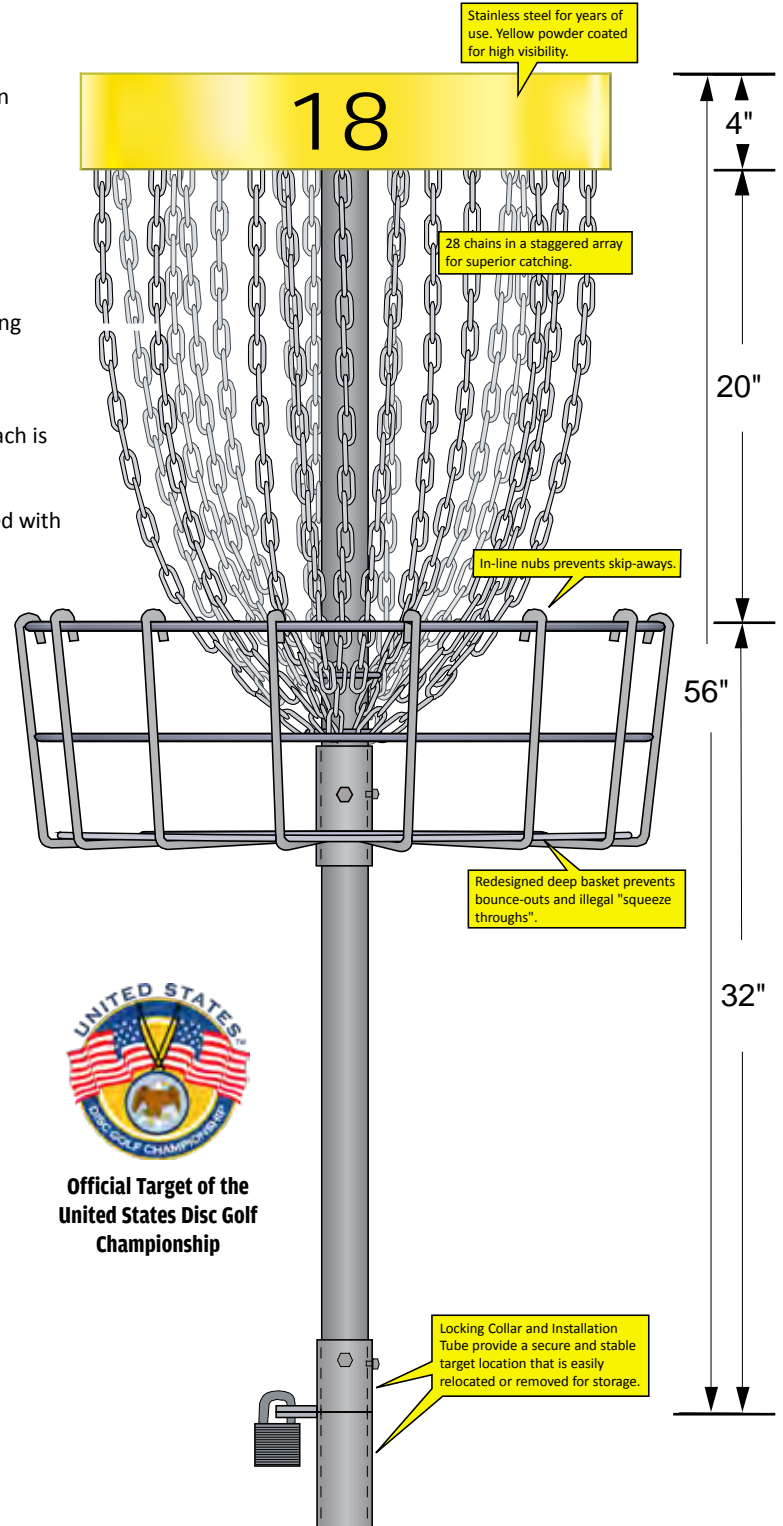
14 outer chains grab your disc, while 14 more inner chains buffer and slow the disc, improving catching performance. This makes the DISCatcher® a favorite target of players.

INSTALLATION TUBES INCLUDED

Don't pay extra! Our DISCatcher® PRO Permanent target prices include locking collars and installation tubes.

PDGA APPROVED

The DISCatcher® PRO is approved for all levels of tournament play by the Professional Disc Golf Association. Official target of the US Championship.



EAST COAST SALES
2850 Commerce Dr.
Rock Hill, SC 29730
Toll Free (800)476-3968

WEST COAST SALES
900 S Dupont Ave
Ontario, CA 91761
Toll Free (800)408-8449

www.innovadiscs.com

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AGENDA ITEM 7:**MEDICS BASE 3 BID AWARD****MANAGER'S COMMENTS:**

In August of 2015, the County received bids for Medic Base 3. Seven (7) bids were received with Wishon Carter being the lowest responsive bidder in the amount of \$676,676. Due to the bid being over the \$420,000 architect's cost estimate, staff directed the architects to value engineer the project. In addition, staff was able to negotiate with the contractor to guarantee their price for an additional sixty (60) days while the architects worked to bring the project closer to the \$420,000 estimate.

Based on conversations with the architects two options have been developed. Option one is to accept the current bid in the amount of \$589,000 with the value engineered changes. The architects are continuing to value engineer and will have a final number to present at the Board meeting. The architects hope to bring the number down to \$560,000. Option two is to reject the bid and direct the architects to redesign the building and rebid in January 2016 with a steel frame design and a simplified roofline. Current estimate for this option is \$499,000 plus \$14,500 in redesign fees. The architects will be on hand to provide the pros and cons with each option.

If Option 2 is chosen, the Board would need to approve increasing the architect's contract by the \$14,500 for redesign.

Staff seeks direction from the Board.

MEDIC BASE 3 BID AWARD RECOMMENDATION
October 13, 2015

BACKGROUND:

At the budget retreat in February 2014 the Board of County Commissioners directed staff to conduct a search for a suitable site on which to construct a Medic Base to serve the west end of the county for the purpose of reducing ambulance response time. Simultaneously, a search was started to select an Architect for plans for the proposed base.

In March the County purchased a 13 acre parcel of land for \$102,742.95 near the intersection of 321/421 in Sugar Grove. This site was selected due to its strategic location close to both major highways that dissect the western end of the County. Also, during this same period, Innovative Design was interviewed and selected by the Board to provide architectural services for the new base.

In September 2014 the Watauga County Sanitation Department began grading operations to add approximately 10,000 cubic yards of dirt imported from the site of the future new Zionville VFD. Grading operations were interrupted several times due to wet conditions at the Zionville site and in October the job was shut down for the winter.

In April of 2015 both the base site and the VFD site had dried sufficiently to resume grading operations. Grading continued throughout the months of May and June. Grading was completed July 2015 and since then a high yield artesian well has been drilled and a septic system installed.

PUBLIC BID:

Seventeen contractors expressed interest in this project and received plans. However, only seven submitted bids at the August 27th bid opening. The lowest bid of \$676,676 was submitted by Wishon and Carter Builders, Yadkinville, NC. Staff directed the architect to negotiate a lower bid with the low bidder due to the high base bid that exceeded the amount of money available in the project fund. The budget for the project was based on the architects probable cost estimate of \$450,000.

Contractor	Base Bid
Douglas L. McGuire Construction Co., Inc. Boone, NC	740,391
Enterline & Russell Builders, Inc. Blowing Rock, NC	732,340
Garanco, Inc. Pilot Mountain, NC	678,500
Greene Construction Boone, NC	832,000
H&M Constructors Asheville, NC	811,700
Wilkie Construction Lenoir, NC	739,570
Wishon & Carter Yadkinville, NC	676,676

The architect and bidder identified several areas for cost savings including less expensive substitute building materials and a reevaluation and reduction of the electrical system. Wishon and Carter revised their bid down to \$589,000 based upon the cost savings that were found as of October 15th. Please note that attached to this memo is the architect's recommendation which includes the results of the initial bid and the negotiations with the low bidder.

BID AWARD RECOMMENDATION:

Staff recommends that the County consider two options: Option 1, Accept current bid with value engineering. Architects will announce revised contract amount at the October 20th meeting; Option 2, Redesign structure and rebid in January 2016 with a steel frame design and a simplified roofline. Current estimate for this option is \$499,000 plus \$14,500 in redesign fees.



Innovative Design

850 W. Morgan Street Raleigh, NC 27603 919-832-6303 Fax 919-832-3339

October 2, 2015

Deron Geouque
Watauga County Manager
814 West King St.
Boone, NC 28607

Robert Marsh
Watauga County Maintenance Director
969 West King St.
Boone, NC 28607

Deron and Robert,

When developing a budget, an amount of \$450,000 was established as the upper end cost. Based on the simplicity of the design and the bid climate in November of last year, we had estimated that the project would cost roughly \$420,000.

The bid price that we received was \$676,676 – much higher than what we feel is reasonable. Since the bid was received we have been attempting to work with the general contractor in identifying if there was anything in the design that was driving up the bid of the sub-contractors or if there were any other factors impacting the high prices. The following breaks down the original bid by trades. Included also are the percentages of each trade of the overall bid as well as (for comparison sake) what Means Cost Estimator has determined are typical percentages by trade:

		Percent of Bid	Means Typical Percentage
General Contractor	\$435,676	64.4%	76.66%
Plumbing (49,000)+ Fire (13000)	\$62,000	9.2%	7.35%
Mechanical	\$ 32,000	4.7%	7.4%
Electrical	\$147,000	21.7%	8.6%
Total	\$676,676	100%	100%

As can be clearly seen, the electrical sub-contractor's price is much higher than would be expected. If you compare the electrical price in the bid of **\$57/square foot** to what Means considers normal for this type building (\$31/square foot), you can see a big part of the problem.

We also looked at our most recent project that is similar in size and construction. The project is a building completed just last month in Garner, outside Raleigh. This facility has many very similar details and materials. It is a small building for a pond and lake management company. It has offices but also has a maintenance area with garage a door opening. The one big difference between these facilities is that facility also includes a large solar system costing over \$74,000 or the equivalent of \$12 per square foot. This project was completed for a total cost of \$228 per square foot of which the site work was \$36 per square foot. The following summarizes the cost of the Garner building in relationship to the bid amount on the Medic facility:

	Garner Building	Bid on Medic	Budget	Nov 2014 Estimate
Total Cost	\$228/sqft	\$260/sqft		
Site costs	\$ 36/sqft	\$ 0/sqft		
Solar system	\$ 12/sqft	No solar		
Generator	No generator	\$ 9/sqft		
Comparable SF Cost	\$180/sqft	\$251/sqft	\$173/sqft	\$161/sqft

Since the bid, and working with the general contractor through several rounds of value engineering, we identified "potential" cost reductions which have tentatively resulted in a revised cost of \$589,000 (or \$226/square foot).

As mentioned before, we have been very concerned about the fact that we had to put off the bidding of the project in that it has been clear to us that construction prices are again rising rapidly. The problem for Watauga County is that while overall prices in the bigger cities might only be going up at around a half percent per month, we see the rate in the more rural areas going up faster (around 1%/month). This is because many of the subs that have survived the last several years have done so by locating to the areas where there is more construction going on. And those that have remained in the rural areas are now charging a lot more. We just noticed that Turner Construction's latest quarterly inflation index (for all non-residential construction) more than doubled over the previous quarter. Our guess is that when the next quarter comes out, you could easily see construction inflation rates (better reflecting what has actually been happening over the past months) increasing similarly to what we saw around 2008-10, where prices were going up over 1% per month.

Considering the fact that our last estimate was in November of 2014, the following tries to track what construction costs have done since then. We have also estimated what the impact would be if the facility's design is drastically changed to a Butler type building. These estimates do not attempt to account for the increase in energy costs or maintenance costs associated with changing to a cheaper construction materials and systems. The analysis does try to assess the impact of redesigning and rebidding by accounting for the fact that prices are going up quickly.

	Bid on Medic	Current VE	Budget	Nov 2014 Est.	Butler Design
	\$260/sqft	\$226/sqft	\$173/sqft	\$161/sqft	\$163/sqft
	\$677,000	\$ 589,000	\$450,000	\$420,000	\$425,000 (Nov 14 base)
		(Goal: \$550,000)			
1% inflation Nov14 to Oct15 (11.6% increase)			\$193/sqft \$502,200	\$180/sqft \$468,720	\$182/sq ft \$474,300
1% inflation Nov14 to Mar16 (17.3% increase)			\$203/sqft \$527,850	\$189/sqft \$492,660	\$191/sqft \$498,525
.05% inflation Nov14 to Mar16 (8.3% increase)			\$187/sqft \$487,350	\$175/sqft \$454,860	\$177/sqft \$460,275

This analysis indicates:

Option 1: Start with the current VE price of approximately **\$589,000** and make one more attempt to work with General Contractor in getting the price down to between **\$550,000** (\$211/sqft) and \$580,000. This would enable you to:

- start construction within the next month,
- keep the great majority of the quality construction aspects in the current design,
- keep superior finishes (particular wall construction) that will greatly reduce maintenance costs in the future years,
- keep a design that will greatly reduce energy bills for decades to come, and
- retain a facility design with a much nicer image to the public.

Option 2: This option would involve redesigning the facility to one that would employ a Butler building design (impacting the structure, roof, wall, and energy package rather significantly). In this case the redesign would require a couple months. Then the design will need to be resubmitted to approving agencies and then rebid. If started now, this process would take until December/January. And, because of the weather conditions in January/February, it is most likely that the earliest construction would start in March of next year. In this case, with likely construction cost inflation, the cost in March of next year would be around **\$499,000**.

When you consider that our most recently completed, very similar Garner building ended up at \$180/square foot (building cost), it is very hard to see how the cost should be any more than this amount—tops. As we have talked about several times, the price provided by the general contractor (mostly driven by his subs) seems unjustifiably high, but this is what it is.

If you want our recommendation, we would go with Option 1. We believe the risks will be much less and, long term, you will reap considerably greater benefit from the current design. Remember, prices could go at an even greater rate, resulting in no savings and a cheaper building.

Mike and I have met extensively on reviewing the bid, working with the GC, and developing this summary for you.

We would be happy to discuss this in more detail.

Sincerely,

Louis J Gerics, AIA

Trade	Bid	VE	
GC	\$435,676		
Del windows in Bay		\$220	
Change roof to shingles		\$6,100	
Change wall tile to FRP		\$603	
Change all siding to Hardie		\$4,700	
Change hardware		\$3,343	
Del corner guards		\$1,135	
Change fiberglass doors to HM		\$7,154	
Electrical	\$147,000	\$40,100	was \$33,840 originally
Plumbing	\$49,000		
Del water fountain		\$1,219	
Mechanical	\$32,000		
Fire	\$13,000		
Subtotal		\$64,574	
6% O&P		\$3,874.44	
Potential Sales Tax		\$19,000	
Total	\$676,676	\$87,448	
VE Price		\$589,228	

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AGENDA ITEM 8:

VEHICLE BID AWARD FOR SANITATION AND ANIMAL CONTROL VEHICLES

MANAGER'S COMMENTS:

Mr. J.V. Potter, Operations Service Director, will request the Board award a bid to Ashe County Ford in the amount of \$55,597 for one new 4x4 F150 and one new 4x4 F250. Ashe County Ford was the lowest responsive bidder. The reason for the F250 costing less is the greater discount being offered than on the F150.

Board action is required to award Ashe County Ford the bid for one new four wheel drive F150 and one new four wheel drive F250 in the amount of \$27,187 and \$28,410, respectively, for a total amount of \$57,276.91.

MEMO**Sanitation Department**

DATE: 10/13/2015

TO: DERON GEOUQUE, COUNTY MANAGER

FROM: JV POTTER, OSD

RE: SANITATION & ANIMAL CONTROL PICKUP BIDS

We have received bids on one three quarter- ton pickup truck for Sanitation and one half-ton pickup truck for Animal Control and they are:

<u>Animal Control</u>	<u>Bid Amount</u>	<u>Sanitation</u>	<u>Bid Amount</u>
Ashe County Ford	\$28,410.00	Ashe County Ford	\$27,187.00
Asheville Ford	\$28,443.82	Asheville Ford	\$27,380.73
Discovery Chevrolet	\$28,715.40	Discovery Chevrolet	\$30,765.91
Everett Chevrolet	\$29,512.00	Everett Chevrolet	\$32,494.00
B. Miller Ford	No Bid	B. Miller Ford	No Bid

Upon Board approval, we would like to recommend purchase from Ashe County Ford for both vehicles as they have submitted the lowest bids. There are sufficient funds in the Sanitation Department and Animal Control budgets to cover the cost of the vehicles.

Please advise.

AGENDA ITEM 9:

VEHICLE BID AWARD FOR NEW FIRE MARSHAL TRUCK

MANAGER’S COMMENTS:

Mr. Jeff Virginia, Emergency Services Director, will request the Board approve the bid from Asheville Ford in the amount of \$29,854.33 including emergency equipment for a new 2016 4x4 Ford F250. Asheville Ford is the lowest responsive bidder for the vehicle and equipment.

Funds have been budgeted for the expense in the Fiscal Year 2015-2016 budget. Board approval is requested to award the bid to Asheville Ford in the amount of \$30,755.96 which includes taxes and tag for one new 2016 4x4 Ford F250.



WATAUGA COUNTY

102015 BCC Meeting

Department of Communications & Emergency Services

184 Hodges Gap Road Suite D ♦ Boone, North Carolina 28607 Phone (828) 264-3761

FAX (828) 265-7617

Jeff Virginia-Director

Email: Jeff.Virginia@watgov.org

October 13, 2015

TO: Deron Geouque
From: Jeff Virginia
Reference: FY 15-16 Fire Marshal Vehicle purchase

The Watauga County Board of Commissioners approved the purchase of an F-250 pickup truck for Emergency Management in this year's budget. Quotes were received from several dealers as listed below.

Dealership	Vehicle Cost	Equipment Cost	Options	Total
Ross Chrysler	\$51,840.00	\$3235.00		\$55,075.00
Mack Brown Chevrolet:	\$38,185.95	\$3235.00		\$41,420.95
Discovery Chevrolet:	\$32,212.00	\$3235.00		\$35,447.00
State Contract	\$27,790.00	\$3235.00		\$31,025.00
Light-N-Up, LLC	\$27,746.00	\$2,850.97		\$30,596.97
Bobby Jones Ford	\$26,955.38	\$3235.00	(red-425.00 Del. 360.00)	\$30,975.38
Ashe County Ford	\$26,869.00	\$3235.00		\$30,104.00
Asheville Ford	\$26,619.33	\$3235.00		\$29,854.33

I would respectfully request the Board of Commissioners to award the bid for the new Fire Marshal vehicle to Asheville Ford.

Capital Outlay Request Form

Complete this form for capital outlay items costing \$2,000 or more.

Attach quotes to support the request.

Department **Fire Marshal/Emergency Management** **Date** **03/05/15**

Description Of Item Requested

2015 Ford F-250 Extended Cab pick-up. Price includes all emergency equipment except VHF/VIPER radio which will be removed from the old pick-up and installed in the new vehicle. Striping is quoted from another vendor and added to the total figure.

Is This Item A Replacement?

If this is a replacement for a current asset, provide the asset number and a brief description. Note the condition of the asset, including known damage, mileage, etc.

Asset number 11362, 2006 white Chevrolet 2500 Silverado with 102,000 miles. This vehicle has some rust, electrical issues and front end/4WD issues.

Justification For Request

Describe in detail the need for this item, how it will be used, the typical useful life, how often it will need to be replaced, where this item will be located and any other information to be considered with this request.

This vehicle will be used for the normal duties for the Fire Marshal Emergency Management along with the duties of hauling heavy trailers that are associated with this department. Quotes were requested from Ross Chrysler Dodge, Light-N-Up, Boone Ford and Mack Brown Chevrolet. All quotes that were submitted are included with the Capital Outlay Request.

Cost Information

Attach quotes to support cost information for your requested item. It is also important to include any additional costs that will be associated with this item. This includes shipping, installation, maintenance contracts, highway use tax & tag fees, accessories, etc.

Description	Quantity	Unit Cost	Total Amount
F-250 Crew Cab truck with emergency equipment installed	1	30,596.97	30,596.97
Sales Tax	1	138.44	138.44
Striping/Lettering and installation	1	695.00	695.00
Remove and reinstall VHF/VIPER radio	1	265.62	265.62
			0.00
			0.00
			0.00
TOTAL COST TO BE CONSIDERED			31,696.03

Below Reserved For Finance Use Only

	Yes	No		Yes	No
Included In Recommended Budget?	XX		Included In Adopted Budget?	XX	
Budget Line	Recommended Amount		Budget Line	Approved Amount	
104330-454000	31,696.00		104330-454000	31,696.00	



RAM

**2015 MODEL YEAR
RAM 2500
TRADESMAN CREW
CAB 4X4**

STEVE, WE HAVE THIS ONE IN STOCK,
THE COLOR
IS DEEP CHERRY
RED... NOT BRIGHT
FIRECRACKER Let me know!
- JASON

PRICE INFORMATION

MANUFACTURER'S SUGGESTED RETAIL PRICE OF THIS MODEL INCLUDING DEALER PREPARATION

Base Price: \$ 37,315

RAM 2500 ST CREW CAB 4X4

Exterior Color: Deep Cherry Red Crystal Pearl Coat Exterior Paint
Interior Color: Black / Diesel Gray Interior Colors
Interior: Cloth 40 / 20 / 40 Bench Seat
Engine: 6.7-Liter I6 Cummins® Turbo Diesel Engine
Transmission: 6-Speed Automatic 68RFE Transmission

STANDARD EQUIPMENT (UNLESS REPLACED BY OPTIONAL EQUIPMENT)

FUNCTIONAL/SAFETY FEATURES

Advanced Multistage Front Airbags
Supplemental Side-Curtain Front and Rear Airbags
Supplemental Front Seat-Mounted Side Airbags
Manual Shift-On-The-Fly Transfer Case
Tire Pressure Monitoring Display
Electronic Stability Control
3.73 Rear Axle Ratio
Anti-Lock 4-Wheel Disc Brakes
730-Amp Maintenance Free Battery
180-Amp Alternator
Sentry Key® Theft Deterrent System
Speed Control
Power Door Locks
Power Front Windows w/ 1-Touch Up and Down Feature
Power Accessory Delay
Automatic Headlamps
Power Heated Mirrors with Manual Fold-Away
Tip Start

INTERIOR FEATURES

Air Conditioning
8 Speakers
Radio 3.0 AM/FM
Media Hub (USB, Aux)
Instrument Cluster with Display Screen
40 / 20 / 40 Split Bench Seat
Mini Floor Console
Rear Folding Seat
Second-Row In-Floor Storage Bins
Rear Under Seat Storage Compartment
12-Volt Auxillary Power Outlet
Tilt Steering Column
Rearview Day / Night Mirror
Driver / Passenger Assist Handles

EXTERIOR FEATURES

17-Inch x 7.5-Inch Steel Styled Wheels
LT245/70R17E BSW All Season Tires
31-Gallon Fuel Tank
Locking Tailgate
Class V Receiver Hitch
7 Pin Wiring Harness

PRICE INFORMATION (contd.)

OPTIONAL EQUIPMENT

Tradesman Package 2FA
Cold Weather Group \$ 80
Engine Block Heater
Winter Front Grille Cover
Chrome Appearance Group \$ 895
18-Inch Steel Spare Wheel
18-Inch x 8-Inch Steel Chrome Clad Wheels
LT275/70R18E BSW All Season Tires
Bright Front Bumper
Bright Grille
Bright Rear Bumper
Heavy Duty Snow Plow Prep Group \$ 135
220-Amp Alternator
Transfer Case Skid Plate
5th Wheel / Gooseneck Towing Prep Group \$ 400
Popular Equipment Group \$ 695
Cloth 40 / 20 / 40 Bench Seat
Floor Covering Carpet
Front and Rear Floor Mats
Remote Keyless Entry
6-Speed Automatic 68RFE Transmission \$ 600
3.42 Rear Axle Ratio
Anti-Spin Differential Rear Axle \$ 325
6.7-Liter I6 Cummins® Turbo Diesel Engine \$ 8,195
180-Amp Alternator
Ram Active Air(TM)
Selective Catalytic Reduction (UREA-DEF)
Tow Hooks
Power Black Trailer Tow Mirrors w/ Manual Fold Away \$ 180
Uconnect® 5.0 AM/FM/BT \$ 660
Temperature and Compass Gauge
5.0-Inch Touchscreen Display
SiriusXM Satellite Radio w/ 1-Yr Radio Subscription
For More Information, Call 800-643-2112
Integrated Voice Command with Bluetooth®
Overhead Console
Rearview Mirror with Microphone
ParkSense® Rear Park Assist System \$ 250
ParkView(TM) Rear Back-Up Camera \$ 200
Trailer Brake Control \$ 230
Spray-In Bedliner \$ 475

DESTINATION CHARGE \$ 1,195

TOTAL PRICE: * \$ 51,840

Jeff Virginia

From: Steve.Sudderth
Sent: Thursday, March 05, 2015 4:50 PM
To: Jeff Virginia
Subject: FW: FW: Watauga County Fire Marshal 2014 quote

Follow Up Flag: Follow up
Flag Status: Flagged

Fyi this would be with no emergency equipment installed

From: eric@mackbrowninc.com [mailto:eric@mackbrowninc.com]
Sent: Thursday, March 05, 2015 4:15 PM
To: Steve.Sudderth
Subject: RE: FW: Watauga County Fire Marshal 2014 quote

Steve,

We can offer you a 2015 Silverado 2500 4x4 crew cab gas truck for \$38,185.95.

The diesel would be 46,580.95.

] Thank you Steve, let me know if I be of further assistance.

Eric

From: "Steve.Sudderth" <Steve.Sudderth@watgov.org>
Sent: Thursday, March 05, 2015 10:50 AM
To: "eric@mackbrowninc.com" <eric@mackbrowninc.com>
Subject: RE: FW: Watauga County Fire Marshal 2014 quote

Thanks Eric

From: eric@mackbrowninc.com [mailto:eric@mackbrowninc.com]
Sent: Thursday, March 05, 2015 9:06 AM
To: Steve.Sudderth
Subject: re: FW: Watauga County Fire Marshal 2014 quote

Steve,

I have pricing on two trucks for you to compare (gas and diesel). I'm waiting on my upfitting quotes. I will forward them to you as soon as I get the quotes.

Thanks,
Eric

From: "Steve.Sudderth" <Steve.Sudderth@watgov.org>
Sent: Monday, March 02, 2015 8:41 AM



Vehicle Locator

Dealer Information

DISCOVERY CHEVROLET BUICK GMC
 2705 US HWY 421 S
 BOONE, NC 28607
 Phone: 828-264-9051
 Fax: 828-264-0750

8/13/15 (S)

1GC1KUEG7FF638764

Model Year: 2015
Make: Chevrolet
Model: 2500HD Silverado
 CK25743-4WD Standard Box Crew Cab
PEG: 1WT-1WT Work Truck Preferred Equipment Group
Primary Color: GAZ-Summit White
Trim: H2Q-Vinyl, Jet Black / Dark Ash, Interior Trim
Engine: L96-Engine: 6.0L, V-8, SFI, FlexFuel w/ E63 only
Transmission: MYD-6-Speed Automatic

Event Code: 5000-Delivered to Dealer
Order #: SPTQDK
MSRP: \$41,145.00
Order Type: TRE-Retail Stock
Stock #: N/A
Inventory Status: Available
Total Cash Allowance: Not Available

Discovery Price
 32212 + tax

Additional Vehicle Information

Vehicle Options

Chargeable Options	MSRP
DF2-Mirrors: Camper Style, Black, Manual Foldaway	\$70.00
Z82-Trailer Package	\$510.00
No Cost Options	
FE9-Federal Emissions	
GEH-GVW Rating 9,500 LBS	
L96-Engine: 6.0L, V-8, SFI, FlexFuel w/ E63 only	
MYD-6-Speed Automatic	
Other Options	
1WT-1WT Work Truck Preferred Equipment Group	A31-Power Windows
A60-Tailgate Lock	AE7-Seat: 40/20/40/ Split Front Bench
AU3-Power Door Locks	AVF-2015iMY Interim Program Processing Code
AY0-Airbags- Head Curtain, Side Impact	BG9-Floor Covering: Rubberized Vinyl, Black
C67-Air Conditioning, Manual	E63-Body: Pick Up Box
G80-Locking Differential, Rear	GAZ-Summit White
GT5-Rear Axle, 4.10 Ratio	H2Q-Vinyl, Jet Black / Dark Ash, Interior Trim
IO3-Base Radio, 4.2" Color Screen, w/ USB Port	JL1-Integrated Trailer Brake Controller
K34-Cruise Control	K47-Air Cleaner, High Capacity
KC4-Cooler, Engine Oil	KG4-Alternator, 150 AMP
KNP-Transmission Cooling System	PYN-Wheel 17" Steel
QHQ-Tires: LT 245/75R17E BW All Season	SAF-Spare Tire Lock
U2J-SiriusXM Satellite Radio, Delete	UE0-OnStar Delete
UQ3-Speaker System	V22-Grille, Chrome Deluxe
V46-Bumper, Front, Chrome	V76-Recovery Hooks
VJH-Bumper: Rear Chrome Step	ZY1-Paint, Solid

"~" indicates vehicle belongs to Trading Partner's inventory

Disclaimer:

GM has tried to make the pricing information provided in this summary accurate. Please refer to actual vehicle invoice, however, for complete pricing information. GM will not make any sales or policy adjustments in the case of inaccurate pricing information in this summary.

2015 NORTH CAROLINA TERM CONTRACT 070G TRUCKS, VANS, SUV'S
 OPTIONS LIST ITEM 35, 35.1 F250
 BID NO. 201401306

102015 BCC Meeting

**ITEM 35&35.1 -2016 FORD F250 PICK UP TRUCK SUPER CAB 4X2
 142"WHEELBASE XL PACKAGE-DOT**

SERIES/OPTION STATE PRICING

STANDARD ITEMS: 10000 GVWR, COLOR: NCDOT YELLOW, 6.2L V-8 E85 FLEX
 FUEL GAS ENGINE, AUTO TRANSMISSION, 3.73 ELECTRONIC LOCKING REAR
 AXLE, TILT STEERING WHEEL, TRAILER HITCH, 7 & 4 WAY PLUG, TRAILER
 BRAKE CONTROLLER, CRUISE CONTROL, AIR CONDITIONING, SPARE TIRE
 (PICK UP ONLY), AM/FM RADIO, STANDARD MIRRORS, ALL SEASON TIRES,
 40/20/40 VINYL SEATS, REAR BENCH SEAT, DAYTIME RUNNING LIGHTS

X2A-600A \$23,575.00

CAB CONFIGURATION

4X4

B \$3,627.00

LONG BED (8' BOX)

LB \$588.00

COLOR OPTIONS-NO CHARGE

RACE RED

PQ

Total for pickup & options

9.15.2015 \$27,790.00

Watauga County

Tammy Adams

828.265.8003bp tammy.adams@watgov.org

**QUOTED BY: SPENCER WOOD, Government Fleet Manager, srwood@pedmonttruckcenter.com 336.668.2401bp, 336.668.2494fax
 PIEDMONT TRUCK CENTER, INC.**

Light-N-Up, LLC
 864-574-5002 - Fax
 101 Sunset Drive
 Roebuck, SC 29376

Quote

Date	Quote #
9/8/2015	5483

Name / Address
Watauga County Fire Marshal 184 Hodges Gap Road Box D Boone, NC 28607

Rep
SJS

Item	Description	Qty	Cost	Total
ITEM. ITEM.	2015 Ford F-250 Extended Cab 4x4 Standard Equipment Included: 6.2L V-8 Engine Power Steering Automatic Transmission Power Brakes A/C Power Windows and Door Locks AM/ FM Radio Vinyl 40/20/40 Bench Seat 158" Wheel Base Heavy Duty Rubber Floor Cruise Control 6" Bed With tow package and trailer brake 6.7 liter diesel Add \$7,800.00	1	27,746.00	27,746.00
LX2F-RR	DBL. LED Deck Light RED/RED LX2F-RR	1	250.00	250.00T
LX2HOOD	LX2HOOD-- LED Hood for the LX2-F	1	0.00	0.00T
TRX6R	TRX6R--- Torus Exterior 6LED RED 2) for the grill 2) for side lighting and	4	70.00	280.00T
XT3LBKT	Xt3 90d L Bracket	4	10.00	40.00T
XT302RR	XT302RR Dlb. RED RED for the rear window	2	120.00	240.00T
HB6PAK	HB6PAK corner LEDs (need to spec. color) to mount in the front head lights and rear tail lights	4	63.00	252.00T
3892L6	3892L6 - Siren and Switch Panel	1	325.00	325.00T

Thank You for considering Light-N-Up, LLC. for your Equipment Needs.	Subtotal
--	-----------------

Quote is good for 3 months from date of issue, This quote may not include Shipping. Thank You	Sales Tax (6.75%)
	Total
	Thank You! for considering Light-N-Up for your equipment and installation needs.

Light-N-Up, LLC
 864-574-5002 - Fax
 101 Sunset Drive
 Roebuck, SC 29376

Quote

Date	Quote #
9/8/2015	5483

Name / Address
Watauga County Fire Marshal 184 Hodges Gap Road Box D Boone, NC 28607

Rep
SJS

Item	Description	Qty	Cost	Total
C3100U	C3100 - Speaker	1	153.40	153.40T
425-5586	Jotto Desk Computer Mounting System for 2011 Ford F-250 425-5586/5215	1	250.00	250.00T
425-6271	Ford F-250 Contour Consoles (2012+)	1	260.57	260.57T
Installation	Installation of all equipment and customer supplied radio	1	800.00	800.00

Thank You for considering Light-N-Up, LLC. for your Equipment Needs.		Subtotal	\$30,596.97
Quote is good for 3 months from date of issue, This quote may not include Shipping. Thank You		Sales Tax (6.75%)	\$138.44
		Total	\$30,735.41
		Thank You! for considering Light-N-Up for your equipment and installation needs.	

CNGP530

VEHICLE ORDER CONFIRMATION

09/22/15 13:30:56

==>

Dealer: F21215

2016 F-SERIES SD

Page: 1 of 1

Order No: 0001 Priority: L1 Ord FIN: QI610 Order Type: 5B Price Level: 620

Ord PEP: 600A Cust/Flt Name: WATAUGA FIRE PO Number:

	RETAIL		RETAIL
X2B F250 4X4 S/C	\$37380	10000# GVWR PKG	
142" WHEELBASE		512 SPARE TIRE/WHL2	NC
Z1 OXFORD WHITE		52B BRAKE CONTROLR	270
A VNYL 40/20/40		525 CRUISE CONTROL	235
S STEEL		JACK	
600A PREF EQUIP PKG		SP DLR ACCT ADJ	
.XL TRIM		SP FLT ACCT CR	
.TRAILER TOW PKG		FUEL CHARGE	
572 .AIR CONDITIONER	NC	B4A NET INV FLT OPT	NC
.AM/FM STER/CLK		DEST AND DELIV	1195
996 .6.2L EFI V8 ENG	NC	TOTAL BASE AND OPTIONS	39470
44P 6-SPD AUTOMATIC	NC	TOTAL	39470
TBK .LT245 BSW AS 17		*THIS IS NOT AN INVOICE*	
X3E 3.73 ELOCKING	390		
JOB #1 BUILD			

F1=Help

F2=Return to Order

F3/F12=Veh Ord Menu

F4=Submit

F5=Add to Library

S099 - PRESS F4 TO SUBMIT

QC00214

fmcdearlr@TerryBenstead

Sep 22, 2015 1:31:33 PM

MSRP 39470.00
 upfit 3235.00
 TOTAL 42705.00

* ON OUR upfit *
 you pay what
 we pay. NO
 * MARK UP *

you price 30190.38

Includes upfit

NO TAXES

FOB Augusta, GA

* WE CAN DELIVER *



WEST WARNING EQUIPMENT SALES & SERVICE, LLC

4185 CROSSTOWNE COURT
Evans, GA 30809

Phone F 706-855-6916 (0317) laura@westwarning.com

Quote

Date	Quote #
9/17/2015	3235

Name / Address
BOBBY JONES FORD PO BOX 15398 AUGUSTA, GA 30910

Qty	Item	Description	Rate	Total
		WATAUGA COUNTY FIRE MARSHALL FORD F250		
1	FEN-D-20215XRR	FENIEX-D-20215XRR COBRA 2X RED/RED (DASH LIGHT)		
4	COD-MR6MC-RW	CODE3 MR6MC-RW MR6 MULTI-COLOR RED/WHITE (2-GRILL , 1 EACH SIDE OF TRUCK)		
4	FEN-D-04309	FENIEX D-04309 COBRA ROTATING BRACKET		
4	FEN-H-2209RW	FENIEX H-2209RW CANNON 120 LED RED/ WHITE (CORNERS)		
1	FEN-D-20609-R	FENIEX D-20609-R COBRA 600 LED RED (REAR WINDOW)		
1	FEN-W-12009B	FENIEX W-12009B END CAP BRACKET KIT		
2	FEN-D-09010	FENIEX D-09010 COBRA HEADLINER BRKT		
1	CO1-3892L6	CODE3 3892L6 MASTERCOM SERIES 200 WATT SIREN , 3 LEVEL PROGRESSIVE SLIDE & 6 STANDARD ON/OFF BUTTON		
1	FEN-S-2009	FENIEX S-2009 TRITON 100W SPEAKER		
1	JOT-425-6271	JOTTO 425-6271 F250-F550 DASH MNT CONSOLE (10" FT)		
1	JOT-425-5586	JOTTO 425-5586 11+ FORD F250-550 LAPTOP STAND		
1	LABOR	LABOR TO INSTALL ABOVE AND CUSTOMER SUPPLIED RADIO		
QUOTE GOOD FOR 30 DAYS			Sales Tax (8.0%)	\$0.00
			Total	\$3,235.00

Jeff Virginia

From: Terry Benstead [tbenstead@bobbyjonesford.com]
Sent: Thursday, September 24, 2015 3:38 PM
To: Jeff Virginia
Subject: RE: F250 Truck quote

Hi,
 Yes race red is 425.00 more. Bringing it to you will cost About 360.00. To pay for 2 drivers to drive 514 miles plus Fuel.

Thanks!!!
 Terry Benstead

-----Original Message-----

From: Jeff Virginia [mailto:Jeff.Virginia@watgov.org]
Sent: Thursday, September 24, 2015 2:43 PM
To: Terry Benstead
Subject: RE: F250 Truck quote

Terry, thank you for the quote, looks real good, would there be any additional charge if we made that truck red instead of white? And for delivery to my agency, what would be the cost?

Thanks,
 Jeff

Jeff Virginia-Director
 Watauga County Department of Communications and Emergency Services
 184 Hodges Gap Road Suite D
 Boone, NC 28607
 Communications (828)264-3761 Option 2
 Office (828)265-5668
 Cell (828)265-6900
 FAX (828)265-7617
 Email Jeff.Virginia@watgov.org
 Web www.wataugacounty.org

-----Original Message-----

From: Jeff Virginia
Sent: Thursday, September 17, 2015 2:46 PM
To: 'tbenstead@bobbyjonesford.com'
Subject: F250 Truck quote

Terry, thank you for taking the time to speak with me today. I have attached the specs for the vehicle that I had just spoke to you about.

Thanks,
 Jeff

Jeff Virginia-Director
 Watauga County Department of Communications and Emergency Services
 184 Hodges Gap Road Suite D
 Boone, NC 28607
 Communications (828)264-3761 Option 2
 Office (828)265-5668

Cell (828)265-6900
FAX (828)265-7617
Email Jeff.Virginia@watgov.org
Web www.wataugacounty.org

CNGP530 VEHICLE ORDER CONFIRMATION 09/28/15 17:44:52
==> Dealer: F21617

2016 F-SERIES SD

Page: 1 of 1

Order No: 0001 Priority: L1 Ord FIN: QD495 Order Type: 5B Price Level: 620
Ord PEP: 600A Cust/Flt Name: WATAUGA COUNT PO Number:

	RETAIL		RETAIL
X2B F250 4X4 S/C	\$37585	10000# GVWR PKG	
158" WHEELBASE		512 SPARE TIRE/WHL2	NC
PQ RACE RED		52B BRAKE CONTROLLR	270
A VNYL 40/20/40		525 CRUISE CONTROL	235
S STEEL		JACK	
600A PREF EQUIP PKG		942 DAY RUNNING LTS	45
.XL TRIM		SP DLR ACCT ADJ	
.TRAILER TOW PKG		SP FLT ACCT CR	
572 .AIR CONDITIONER	NC	FUEL CHARGE	
.AM/FM STER/CLK		B4A NET INV FLT OPT	NC
996 .6.2L EFI V8 ENG	NC	DEST AND DELIV	1195
44P 6-SPD AUTOMATIC	NC	TOTAL BASE AND OPTIONS	39720
TBK .LT245 BSW AS 17		TOTAL	39720
X3E 3.73 ELOCKING	390	*THIS IS NOT AN INVOICE*	
JOB #1 BUILD			

F1=Help F2=Return to Order F3/F12=Veh Ord Menu
F4=Submit F5=Add to Library

S099 - PRESS F4 TO SUBMIT QC09782
fmcdealr@Sales5
Sep 28, 2015 5:44:53 PM

B.S Price \$ 26,869.⁰⁰

Ashe County Ford, Inc.

336-246-7183

Mike Little



Asheville Ford Lincoln
611 Brevard Rd., Asheville, North Carolina, 28806
Office: 828-253-2731 Fax: 828-258-6012

Customer Proposal

Prepared for:

Jeff Virginia
Watauga County

Prepared by:

Jeffrey Williams
Office: 828-279-4933
Email: jwilliams@ashevilleford.com

Date: 10/13/2015

Vehicle: 2016 F-250 XL
4x4 SD Super Cab 8' box 158" WB SRW





Asheville Ford Lincoln
611 Brevard Rd., Asheville, North Carolina, 28806
Office: 828-253-2731

102015 BCC Meeting

2016 F-250, SD Super Cab
4x4 SD Super Cab 8' box 158" WB SRW
XL(X2B)

Table of Contents

Description	Page
Cover Page	1
Table of Contents	2
Selected Options	3
Pricing	4
Window Sticker	5



Selected Options

Code	Description
Base Vehicle	
X2B	Base Vehicle Price (X2B)
Packages	
600A	Order Code 600A
Powertrain	
996	Engine: 6.2L 2-Valve SOHC EFI NA V8 Flex-Fuel
44P	Transmission: TorqShift 6-Speed Automatic <i>Includes SelectShift.</i>
X3E	Electronic Locking w/3.73 Axle Ratio
STDGV	GVWR: 10,000 lb Payload Package
Wheels & Tires	
TBK	Tires: LT245/75Rx17E BSW A/S <i>Spare is LT245/75R17E A/T BSW plus.</i>
64A	Wheels: 17" Argent Painted Steel <i>Includes painted hub covers/center ornaments.</i>
Seats & Seat Trim	
A	Heavy Duty Vinyl 40/20/40 Split Bench Seat <i>Includes center armrest, cupholder and storage.</i>
Other Options	
158WB	158" Wheelbase
52B	Trailer Brake Controller <i>Compatible with select electric over hydraulic brakes.</i>
PAINT	Monotone Paint Application
587	Radio: AM/FM Stereo w/Digital Clock <i>Includes 2-speakers.</i>
Fleet Options	
525	Steering Wheel-Mounted Cruise Control (LPO)
942	Daytime Running Lamps (DRL) (LPO)
Interior Colors	
AS	Steel
Primary Colors	
PQ	Race Red

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.



Pricing

	MSRP
Vehicle Price	\$37,585.00
Options	\$940.00
Upfitting	\$0.00
Fuel Charge	\$0.00
Destination Charge	\$1,195.00
Total	\$39,720.00
<i>Pre-Tax Adjustments</i>	
Fleet Fleet Concession	(\$8,400.00)
DISCOUNT DEALER DISCOUNT	(\$4,700.67)
Total Pre-Tax Adjustments	(\$13,100.67)
SUBTOTAL	\$26,619.33
Single Vehicle Total 1 (Number of Vehicles)	\$26,619.33
Grand Total	\$26,619.33

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.



Asheville Ford Lincoln
 611 Brevard Rd., Asheville, North Carolina, 28806
 Office: 828-253-2731

2016 F-250, SD Super Cab
 4x4 SD Super Cab 8' box 158" WB SRW XL(X2B)

Major Equipment

(Based on selected options, shown at right)

- 6.2L V-8 SOHC w/SMPI 385hp
- TorqShift 6 speed automatic w/OD
- * Rear locking differential driver selectable
- * Brake assistance
- * LT 245/75R17 E BSW AS S-rated tires
- * Firm suspension
- * Air conditioning
- * AM/FM stereo with seek-scan
- * Dual manual mirrors
- * 17 x 7.5 steel wheels
- * Driver and front passenger seat mounted side airbags
- * Tachometer
- * Reclining front split-bench seats
- * Steering-wheel mounted audio controls
- * Front axle capacity: 6000 lbs.
- * Front spring rating: 4800 lbs.
- * Frame section modulus: 6.7 cu.in.
- * Cab to axle: 56.4"

- Exterior:Race Red
- Interior:Steel
- * 4-wheel ABS
- * Traction control
- * Battery with run down protection
- * Advance Trac w/Roll Stability Control
- * Tinted glass
- * Daytime running
- * Variable intermittent wipers
- * Dual front airbags w/passenger cancel
- * SecuriLock immobilizer
- * Underseat ducts
- * 60-40 folding rear split-bench
- * Class V hitch
- * Rear axle capacity: 6200 lbs.
- * Rear spring rating: 6100 lbs.
- * Frame Yield Strength 36000 psi

Fuel Economy

City
N/A



Hwy
N/A

Selected Options

MSRP

STANDARD VEHICLE PRICE	\$37,585.00
Order Code 600A	N/C
158" Wheelbase	STD
Monotone Paint Application	STD
Steel	N/C
Engine: 6.2L 2-Valve SOHC EFI NA V8 Flex-Fuel ...	Included
Transmission: TorqShift 6-Speed Automatic	Included
GVWR: 10,000 lb Payload Package	Included
Tires: LT245/75Rx17E BSW A/S	Included
Wheels: 17" Argent Painted Steel	Included
Heavy Duty Vinyl 40/20/40 Split Bench Seat	Included
Radio: AM/FM Stereo w/Digital Clock	Included
Race Red	N/C
Steering Wheel-Mounted Cruise Control (LPO)	\$235.00
Daytime Running Lamps (DRL) (LPO)	\$45.00
Trailer Brake Controller	\$270.00
Electronic Locking w/3.73 Axle Ratio	\$390.00

Upfit Options

SUBTOTAL	\$38,525.00
Destination Charge	\$1,195.00

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.



Asheville Ford Lincoln
611 Brevard Rd., Asheville, North Carolina, 28806
Office: 828-253-2731

2016 F-250, SD Super Cab
4x4 SD Super Cab 8' box 158" WB SRW XL(X2B)

TOTAL \$39,720.00

Prices and content availability as shown are subject to change and should be treated as estimates only. Actual base vehicle, package and option pricing may vary from this estimate because of special local pricing, availability or pricing adjustments not reflected in the dealer's computer system. See salesperson for the most current information.

Prepared for: Jeff Virginia By: Jeffrey Williams Date: 10/13/2015 | Price Level: 620 Quote ID: 1013201507

Jeff Virginia

From: Eric Vogl Jr [evogl2@firstpriorityglobal.net]
Sent: Monday, October 12, 2015 7:49 PM
To: Jeff Virginia
Subject: Lighting Quote - First Priority South

Hey Jeff,

Hope you're well and you're off to a great night. Thank you again for taking the time to speak with me this afternoon. I just wanted to let you know that we will match the price that you were given \$3,235.00 for your lighting project for the F-250.

Please let me know if you need a formal quote. If so I will get it over to you ASAP.

Please do note that I will be traveling out of the country tomorrow and will be back on Friday. I will try to connect with you tomorrow when I land in Detroit.

Thanks and talk soon,

--
Eric Vogl II
Regional Sales Executive

First Priority South
370 Mt. Jefferson State Park Road
Unit 2
West Jefferson, NC 28694
704-280-0171
evogl2@firstpriorityglobal.net
www.firstprioritysouth.net



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AGENDA ITEM 10:

MISCELLANEOUS ADMINISTRATIVE MATTERS

A. Sheriff's Office Patrol Vehicle Equipment and Installation Bid Award

MANAGER'S COMMENTS:

The Sheriff's Office recently solicited bids for new equipment, installation and refitting. Bids were submitted to three companies in which two responded to the request. Based on the bids received the Sheriff's Office is recommending the Board award the bid to Dana Safety Supply in the amount of \$44,672.24.

Adequate funds are included in the Fiscal Year 2015-2016 budget to cover the expenditure. Board action is required to award the bid to Dana Safety Supply in the amount of \$44,672.24.



WATAUGA COUNTY SHERIFF'S OFFICE

184 HODGES GAP ROAD
BOONE, NORTH CAROLINA 28607
(828) 264-3761 • FAX (828) 263-5345

LEN D. HAGAMAN, JR.
SHERIFF

To: County Manager Deron Geouque
From: Captain Kelly Redmon
Ref: Patrol vehicle equipment and installation

I have solicited quotes for emergency equipment and installation for the approved vehicles for this budget year from three companies nearby.

- 1) DANA Safety Supply
- 2) Precision Rescue Vehicles
- 3) Anchor/Richie Emergency Vehicles

I received replies from DANA Safety and Precision Rescue; which are broken down into separate categories because of the different circumstances and equipment needs: K-9 Cars, Refitting, and Replacement.

K-9 Vehicles (Three shall be replaced)

Dana Safety supply –\$ 7,738.33 per vehicle totaling \$23,214.99

Precision Rescue Vehicles –\$ 11,000.31 per vehicle totaling \$33,000.93

Replacement (Three shall be replaced)

Dana Safety Supply –\$ 5,643.02 per vehicle totaling \$16,929.06

Precision Rescue Vehicles – \$6,470.81 per vehicle totaling \$19,412.43

Refitting (The viable equipment from a vehicle that was lost in a collision will be refitted to a new one)

Dana Safety Supply –\$ 1,085.00

Precision Rescue Vehicles-\$ 1,085.00

Replacement (Sheriff's Vehicle)

Dana Safety Supply – \$3,443.19

Precision Rescue Vehicles –\$ 4,526.53

Summary for all equipment and installation:

Dana Safety Supply 8 Vehicles - \$44,672.24

Precision Rescue Vehicle 8 Vehicles - \$58,024.89

We recommend that Dana Safety Supply be awarded the bid for equipment and installation. Funds have been budgeted for this in FY 15-16.

Sales Quote

DANA SAFETY SUPPLY, INC
5221 W. MARKET ST
GREENSBORO, NC 27409

Sales Quote No.	160845-A
Customer No.	WATAU

Telephone: 800-845-0405

Bill To
WATAUGA CO SHERIFF'S DEPARTMENT ACCOUNTS PAYABLE 184 HODGES GAP ROAD BOONE, NC 28607

Ship To
WATAUGA CO SHERIFF'S DEPARTMENT DSS, GREENSBORO FOR INSTALL

Contact:
Telephone: 828-264-3761
E-mail:

Contact:
Telephone: 828-264-3761
E-mail:

Quote Date	Ship Via	F.O.B.	Customer PO Number	Payment Method
08/28/15	GROUND	PPAY & ADD TO	RE-INSTALL	NET 30
Entered By		Salesperson	Ordered By	Resale Number
MIKE BARNWELL		MIKE BARNWELL -	CAPT. KELLY REDMON	

Order Quantity	Approve Quantity	Tax	Item Number / Description	Unit Price	Extended Price
1	1	Y	MISC MISC INSTALL PARTS Warehouse: GBOR	45.0000	45.00
1	1	N	INSTALL DSS INSTALLATION OF EQUIPMENT Warehouse: GBOR RE-INSTALL EQUIPMENT TO 2015 INTERCEPTOR SEDAN. PRICE BASED ON ALL EQUIPMENT IN WORKING CONDITION. PRICE DOES NOT INCLUDE ANY REPLACEMENT EQUIPMENT THAT MIGHT BE REQUIRED. DEPARTMENT WILL PROVIDE EQUIPMENT TO BE INSTALLED. REINSTALL CUSTOMER'S EQUIPMENT ON 2015 INTERCEPTOR SEDAN	1,040.0000	1,040.00

Approved By: _____
 Approve All Items & Quantities

Print Date	10/09/15
Print Time	11:10:25 AM
Page No.	1

Subtotal	1,085.00
Freight	0.00
6.750 %Sales Tax	3.04
Order Total	1,088.04

Printed By: MIKE BARNWELL

Precision Rescue Vehicles, LLC

Precision Rescue Vehicles, LLC
 PO Box 1542
 Fletcher, NC 28732

(828)712-3400
 precisionrescue@aol.com
 www.precisionrescue.com

Estimate

Date	Estimate #
09/16/2015	1018
Exp. Date	

Address
Capt. Kelly Redmon Watauga County Sheriff's Office 184 Hodges Gap Road Boone, NC 28607 USA

Activity	Quantity	Rate	Amount
<ul style="list-style-type: none"> Refit Ford Interceptor Sedan. Install Customer supplied equipment consisting of: Justice lightbar, 6 ION LED lights, 2 Vertex lights, SLSA6 Siren/light control, 100 watt speaker, Gamber Johnson console w/ univ. mount with armrest and cup holder, Universal NotepadV Computer cradle, Window Bar Steel, Setina partition, and stinger flashlight. Charge indicated includes all wire, loom, connectors, terminals, and solenoid needed to complete build. 	1	125.00	125.00T
<ul style="list-style-type: none"> Labor to install above mentioned equipment 	16	60.00	960.00
SubTotal			\$1,085.00
Tax (7%)			\$8.75
Total			\$1,093.75

Accepted By _____

Accepted Date _____

*Sheriff's
Car*

DANA SAFETY SUPPLY, INC
5221 W. MARKET ST
GREENSBORO, NC 27409

Sales Quote

Telephone: 800-845-0405

Sales Quote No.	154845-B
Customer No.	WATAU

Bill To
WATAUGA CO SHERIFF'S DEPARTMENT ACCOUNTS PAYABLE 184 HODGES GAP ROAD BOONE, NC 28607

Ship To
WATAUGA CO SHERIFF'S DEPARTMENT DSS GREENSBORO FOR INSTALL

Contact:
Telephone: 828-264-3761
E-mail:

Contact: CAPT. KELLY REDMON
Telephone: 828-264-3761
E-mail:

Quote Date	Ship Via	F.O.B.	Customer PO Number	Payment Method	
05/26/15	GROUND	PPAY & ADD TO	SHERIFF'S EQUIP	NET 30	
Entered By		Salesperson	Ordered By	Resale Number	
MIKE BARNWELL		MIKE BARNWELL -	CAPT. KELLY REDMON		
Order Quantity	Approve Quantity	Tax	Item Number / Description	Unit Price	Extended Price
1	1	Y	IX38UF6P-BB WEC INNER EDGE,FORD PISE, 6-3-LED HEADS, BLUE/BBLUE, Warehouse: GBOR Ford Taurus, 2011-2014 and Police Interceptor Sedan, 2013- 2014, Six 3-LED Lamps, Upper Front Unit (No Take-Down) BLUE / BLUE	352.2000	352.20
1	1	Y	DP603300 WEC DOMINATOR PLUS 3 BLUE, 3 AMBER Warehouse: GBOR	543.4300	543.43
1	1	Y	DBKT4 WEC L-ANGLE MTG BRACKET KIT FOR DOMINATOR (2 BRKTS) Warehouse: GBOR	13.9400	13.94
6	6	Y	IONB Whelen Blue ION LED, Black Housing & Universal Mount Warehouse: GBOR	75.0000	450.00
1	1	Y	IONBKTI WEC ION LICENSE PLATE BRACKET (HORIZ) Warehouse: GBOR	18.6900	18.69
4	4	Y	VTX609B Whelen Omni Directional Lighthead Blue, 9' Cable Warehouse: GBOR	60.0000	240.00

Print Date	08/27/15
Print Time	03:51:23 PM
Page No.	1

Printed By: MIKE BARNWELL

Continued on Next Page

Sales Quote

DANA SAFETY SUPPLY, INC
5221 W. MARKET ST
GREENSBORO, NC 27409

Sales Quote No.	154845-B
Customer No.	WATAU

Telephone: 800-845-0405

Bill To
WATAUGA CO SHERIFF'S DEPARTMENT ACCOUNTS PAYABLE 184 HODGES GAP ROAD BOONE, NC 28607

Ship To
WATAUGA CO SHERIFF'S DEPARTMENT DSS GREENSBORO FOR INSTALL

Contact:
Telephone: 828-264-3761
E-mail:

Contact: CAPT. KELLY REDMON
Telephone: 828-264-3761
E-mail:

Quote Date	Ship Via	F.O.B.	Customer PO Number	Payment Method
05/26/15	GROUND	PPAY & ADD TO	SHERIFF'S EQUIP	NET 30
Entered By		Salesperson	Ordered By	Resale Number
MIKE BARNWELL		MIKE BARNWELL -	CAPT. KELLY REDMON	

Order Quantity	Approve Quantity	Tax	Item Number / Description	Unit Price	Extended Price
1	1	Y	295SLSA6 WHELEN 100/200W Scan-Lock Self-Contained Siren/Switch Warehouse: GBOR	320.0000	320.00
1	1	Y	SA315P Whelen 100W Compact Black Composite 122DB Speaker Warehouse: GBOR	125.0000	125.00
1	1	Y	SAK39 WEC SA315P MOUNTING BRKT FOR 2012+ FORD PI SEDAN Warehouse: GBOR	21.9600	21.96
1	1	Y	7160-0409 Gamber Johnson Ford PI Sedan Console Package 2012+ Warehouse: GBOR PACKAGE INCLUDES THE FOLLOWING: 6" ANGLED & 7" HORIZONTAL EQUIPMENT MOUNTING SPACE, DUAL CUPHOLDER, & ARMREST. THE EQUIPMENT MOUNTING BRACKETS LISTED BELOW & WHATEVER OTHER FILLER PLATES NECESSARY TO COMPLETE THE INST ALL. 1) 7140-0307, WHELEN 295SLSA6 1) 7140-0438 MOTOROLA PM1400 1) 1) *****	302.9300	302.93
1	1	Y	MISC MISC INSTALL PARTS Warehouse: GBOR	45.0000	45.00

Print Date	08/27/15
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Page No.	2

Printed By: MIKE BARNWELL

Continued on Next Page

Sales Quote

DANA SAFETY SUPPLY, INC
5221 W. MARKET ST
GREENSBORO, NC 27409

Sales Quote No.	154845-B
Customer No.	WATAU

Telephone: 800-845-0405

Bill To
WATAUGA CO SHERIFF'S DEPARTMENT ACCOUNTS PAYABLE 184 HODGES GAP ROAD BOONE, NC 28607

Ship To
WATAUGA CO SHERIFF'S DEPARTMENT DSS GREENSBORO FOR INSTALL

Contact:
Telephone: 828-264-3761
E-mail:

Contact: CAPT. KELLY REDMON
Telephone: 828-264-3761
E-mail:

Quote Date	Ship Via	F.O.B.	Customer PO Number	Payment Method
05/26/15	GROUND	PPAY & ADD TO	SHERIFF'S EQUIP	NET 30
Entered By		Salesperson	Ordered By	Resale Number
MIKE BARNWELL		MIKE BARNWELL -	CAPT. KELLY REDMON	

Order Quantity	Approve Quantity	Tax	Item Number / Description	Unit Price	Extended Price
1	1	Y	MISC INSTALL ABOVE EQUIPMENT AND RADIO & ANTENNA Warehouse: GBOR TO BE SUPPLIED BY DEPARTMENT. NO GRAPHICE ON THIS VEHICLE. EQUIPMENT FOR 2015 INTERCEPTOR SEDAN	950.0000	950.00

Approved By: _____
 Approve All Items & Quantities

Print Date	08/27/15
Print Time	03:51:23 PM
Page No.	3

Subtotal	3,383.15
Freight	60.00
6.750 %Sales Tax	232.41
Order Total	3,675.56

Printed By: MIKE BARNWELL

Precision Rescue Vehicles, LLC

Precision Rescue Vehicles, LLC
 PO Box 1542
 Fletcher, NC 28732

(828)712-3400
 precisionrescue@aol.com
 www.precisionrescue.com

Estimate

Date	Estimate #
09/16/2015	1019
	Exp. Date

Address
Capt. Kelly Redmon Watauga County Sheriff's Office 184 Hodges Gap Road Boone, NC 28607 USA

Activity	Quantity	Rate	Amount
<ul style="list-style-type: none"> Unmarked Sedan quotation. Furnish and install the following equipment: Whelen Inneredge model WHE_IW38UF6P 6 LED DUO all blue w/ TD, Whelen Dominator Plus LINZ6 WHE-DP603300 3 blue/3Amber, 6- Whelen ION LED Blue, License plate bracket for IONS, 4- Vertex blue- predrilled from Ford, 1- WHE-295 SLSA6 Siren/Light control, WHE-SA315P Speaker- 100 watt, Gamber Johnson GAM-7170-0165 Consoleconsole bos 7160-0409 Motion Attachment Quad Motion TS5- 7160-0285 armrest and cupholder, NotePad V Universal Computer cradle. Charge indicated includes all wire, loom connectors, terminals and solenoid to complete build. Labor to install above mentioned equipment and customer supplied graphics 	1	3,566.53	3,566.53T
	16	60.00	960.00
		SubTotal	\$4,526.53
		Tax (7%)	\$249.66
		Total	\$4,776.19

Accepted By _____

Accepted Date _____

Sales Quote

DANA SAFETY SUPPLY, INC
5221 W. MARKET ST
GREENSBORO, NC 27409

K-9
Cars

Telephone: 800-845-0405

Sales Quote No.	154851
Customer No.	WATAU

Bill To

WATAUGA CO SHERIFF'S DEPARTMENT
 ACCOUNTS PAYABLE
 184 HODGES GAP ROAD
 BOONE, NC 28607

Ship To

WATAUGA CO SHERIFF'S DEPARTMENT
 DSS GREENSBORO FOR INSTALL

Contact:
Telephone: 828-264-3761
E-mail:

Contact: CAPT. KELLY REDMON
Telephone: 828-264-3761
E-mail:

Quote Date	Ship Via	F.O.B.	Customer PO Number	Payment Method	
05/26/15	UPS GROUND	PPAY & ADD TO	K9 VEHICLE	NET 30	
Entered By	Salesperson	Ordered By	Resale Number		
MIKE BARNWELL	MIKE BARNWELL -	CAPT. KELLY REDMON			
Order Quantity	Approve Quantity	Tax	Item Number / Description	Unit Price	Extended Price
3	3	Y	IX34UFZBB WEC INNER EDGE - ALL BLUE W/TD'S 2012+ PIUT Warehouse: GBOR VEHICLE - INCLUDES FLASHING TAKE DOWN LIGHTS *****	602.1600	1,806.48
3	3	Y	DP603300 WEC DOMINATOR PLUS 3 BLUE, 3 AMBER Warehouse: GBOR	543.4300	1,630.29
3	3	Y	DBKT4 WEC L-ANGLE MTG BRACKET KIT FOR DOMINATOR (2 BRKTS) Warehouse: GBOR	13.9400	41.82
18	18	Y	IONB Whelen Blue ION LED, Black Housing & Universal Mount Warehouse: GBOR	75.0000	1,350.00
3	3	Y	IONBKT1 WEC ION LICENSE PLATE BRACKET (HORIZ) Warehouse: GBOR	18.6900	56.07
3	3	Y	VMFX11BC WEC FORD EXPLORER 2011-15 AND PIUT 2013-2015 Warehouse: GBOR	335.1900	1,005.57

Print Date	05/26/15
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Continued on Next Page

Sales Quote

DANA SAFETY SUPPLY, INC
5221 W. MARKET ST
GREENSBORO, NC 27409

Sales Quote No.	154851
Customer No.	WATAU

Telephone: 800-845-0405

Bill To
WATAUGA CO SHERIFF'S DEPARTMENT ACCOUNTS PAYABLE 184 HODGES GAP ROAD BOONE, NC 28607

Ship To
WATAUGA CO SHERIFF'S DEPARTMENT DSS GREENSBORO FOR INSTALL

Contact:
Telephone: 828-264-3761
E-mail:

Contact: CAPT. KELLY REDMON
Telephone: 828-264-3761
E-mail:

Quote Date	Ship Via	F.O.B.	Customer PO Number	Payment Method
05/26/15	UPS GROUND	PPAY & ADD TO	K9 VEHICLE	NET 30
Entered By		Salesperson	Ordered By	Resale Number
MIKE BARNWELL		MIKE BARNWELL -	CAPT. KELLY REDMON	

Order Quantity	Approve Quantity	Tax	Item Number / Description	Unit Price	Extended Price
3	3	Y	295SLSA6 WHELEN 100/200W Scan-Lock Self-Contained Siren/Switch Warehouse: GBOR	320.0000	960.00
3	3	Y	SA315P Whelen 100W Compact Black Composite 122DB Speaker Warehouse: GBOR	125.0000	375.00
3	3	Y	SAK44 WEC SA315P MTG KIT FOR 2013+ PIUT & 2011+ EXPLORER Warehouse: GBOR	21.9600	65.88
3	3	Y	7170-0165 GJ CONSOLE SOLUTION PKG, SEDAN INTERCEPTOR (2012-2013) Warehouse: GBOR INCLUDES CONSOLE, CUP HOLDERS, ARMREST, & LAPTOP MOTION ARM. CONSOLE INCLUDES THE FOLLOWING: 1 - 7140-0307, WHELEN 295SLSA6 1 - 7140-0438, MOTOROLA PM1500 1 - 1 - AND WHAT EVER OTHER FILLER PLATES NECESSARY TO COMPLETE THE INSTALLATION. LAPTOP HOLDER IS SOLD SEPERATELY ---- *****	446.0300	1,338.09

Print Date	05/26/15
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Continued on Next Page

Sales Quote

DANA SAFETY SUPPLY, INC
5221 W. MARKET ST
GREENSBORO, NC 27409

Sales Quote No.	154851
Customer No.	WATAU

Telephone: 800-845-0405

Bill To
WATAUGA CO SHERIFF'S DEPARTMENT ACCOUNTS PAYABLE 184 HODGES GAP ROAD BOONE, NC 28607

Ship To
WATAUGA CO SHERIFF'S DEPARTMENT DSS GREENSBORO FOR INSTALL

Contact:
Telephone: 828-264-3761
E-mail:

Contact: CAPT. KELLY REDMON
Telephone: 828-264-3761
E-mail:

Quote Date	Ship Via	F.O.B.	Customer PO Number	Payment Method
05/26/15	UPS GROUND	PPAY & ADD TO	K9 VEHICLE	NET 30
Entered By		Salesperson	Ordered By	Resale Number
MIKE BARNWELL		MIKE BARNWELL -	CAPT. KELLY REDMON	

Order Quantity	Approve Quantity	Tax	Item Number / Description	Unit Price	Extended Price
3	3	Y	7160-0250 GJ NOTEPAD-5 UNIVERSAL COMPUTER CRADLE Warehouse: GBOR WILL ADJUST FOR COMPUTERS WITH THE FOLLOWING: WIDTH - 10.62 TO 16.5 INCHES THICKNESS - UP TO 1.50 INCHES DEPTH - 9.00 TO 12.38 INCHES ***** *****	169.8700	509.61
3	3	Y	EZPF_INTERC.S E/Z RIDER K9 PLATFORM UNIT FOR AN INTERCEPTOR Warehouse: GBOR SUV INCLUDES WINDOW GUARDS AND DOOR PANELS	1,614.2900	4,842.87
3	3	Y	RUBBERMAT AMEALAC RUBBER MAT FOR K-9 INSERT Warehouse: GBOR	118.6800	356.04
3	3	Y	RESCUE AA K9 RESCUE SYSTEM REMOTE DOOR OPENING SYSTEM Warehouse: GBOR UNLOCKS & OPENS REAR DOOR BY REMOTE. MUST ADVISE IF K9 WILL EXIT ON DRIVER OR PASSENGER SIDE.	428.5700	1,285.71

Print Date	05/26/15
Print Time	12:18:23 PM
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Printed By: MIKE BARNWELL

Continued on Next Page

Sales Quote

DANA SAFETY SUPPLY, INC
5221 W. MARKET ST
GREENSBORO, NC 27409

Sales Quote No.	154851
Customer No.	WATAU

Telephone: 800-845-0405

Bill To
WATAUGA CO SHERIFF'S DEPARTMENT ACCOUNTS PAYABLE 184 HODGES GAP ROAD BOONE, NC 28607

Ship To
WATAUGA CO SHERIFF'S DEPARTMENT DSS GREENSBORO FOR INSTALL

Contact:
 Telephone: 828-264-3761
 E-mail:

Contact: CAPT. KELLY REDMON
 Telephone: 828-264-3761
 E-mail:

Quote Date	Ship Via	F.O.B.	Customer PO Number	Payment Method	
05/26/15	UPS GROUND	PPAY & ADD TO	K9 VEHICLE	NET 30	
Entered By		Salesperson	Ordered By	Resale Number	
MIKE BARNWELL		MIKE BARNWELL -	CAPT. KELLY REDMON		
Order Quantity	Approve Quantity	Tax	Item Number / Description	Unit Price	Extended Price
3	3	Y	COOLGUARD AMERICAN ALUM FAN & TEMPERATURE SYSTEM Warehouse: GBOR INCLUDES FAN AND FAN GUARD	398.9000	1,196.70
3	3	Y	COOL PAGER AMEALAC COOL GUARD PAGER SYSTEM Warehouse: GBOR WORKS IN CONJUNCTION WITH COOL GUARD MONITORING SYSTEM	262.2400	786.72
3	3	Y	75456 SLI STINGER DS HL W/12VDC CHGR (NMH BATTERY) Warehouse: GBOR 640 LUMEN LIGHT OUTPUT *****	107.9400	323.82
3	3	Y	MISC MISC INSTALL PARTS Warehouse: GBOR	45.0000	135.00
3	3	Y	MISC INSTALL ABOVE EQUIPMENT AND RADIO & ANTENNA Warehouse: GBOR TO BE PROVIDED BY DEPARTMENT. GRAPHICES TO BE PROVIDED BY DEPARTMENT.	1,500.0000	4,500.00

Print Date	05/26/15
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Printed By: MIKE BARNWELL

Continued on Next Page

Sales Quote

DANA SAFETY SUPPLY, INC
5221 W. MARKET ST
GREENSBORO, NC 27409

Telephone: 800-845-0405

Sales Quote No.	154851
Customer No.	WATAU

Bill To

WATAUGA CO SHERIFF'S DEPARTMENT
 ACCOUNTS PAYABLE
 184 HODGES GAP ROAD
 BOONE, NC 28607

Ship To

WATAUGA CO SHERIFF'S DEPARTMENT
 DSS GREENSBORO FOR INSTALL

Contact:
 Telephone: 828-264-3761
 E-mail:

Contact: CAPT. KELLY REDMON
 Telephone: 828-264-3761
 E-mail:

Quote Date	Ship Via	F.O.B.	Customer PO Number	Payment Method	
05/26/15	UPS GROUND	PPAY & ADD TO	K9 VEHICLE	NET 30	
Entered By		Salesperson	Ordered By	Resale Number	
MIKE BARNWELL		MIKE BARNWELL -	CAPT. KELLY REDMON		
Order Quantity	Approve Quantity	Tax	Item Number / Description	Unit Price	Extended Price
2016	FORD INTERCEPTOR	SUV			
Approved By: _____ <input type="checkbox"/> Approve All Items & Quantities					

Print Date	05/26/15
Print Time	12:18:23 PM
Page No.	5

Subtotal	22,565.67
Freight	650.00
6.750 % Sales Tax	1,567.06
Order Total	24,782.73

Printed By: MIKE BARNWELL

Precision Rescue Vehicles, LLC

Estimate

Precision Rescue Vehicles, LLC
 PO Box 1542
 Fletcher, NC 28732

(828)712-3400
 precisionrescue@aol.com
 www.precisionrescue.com

Date	Estimate #
09/16/2015	1021
	Exp. Date

Address
Capt. Kelly Redmon Watauga County Sheriff's Office 184 Hodges Gap Road Boone, NC 28607 USA

Activity	Quantity	Rate	Amount
<ul style="list-style-type: none"> Patrol K9 quotation. Furnish and install the following equipment: WHE-IW34UF6P Whelen Inneredge 6 LED Duo all blue w/td, Whe-DP603300 Dominator Plus LINZ6 3 blue/ 3 amber, 6 ION LED Blue, lic plate brkt, 2 mirror beam ION LED blue, WHE 295SLSA6 siren/light control, WHE SA315 P 100 watt siren speaker, Gamber Johnson GAM 7170-0166 Console bos 9" locking sidearm, Mongoose 7160-0220 armrest and cupholder, Notepad V universal computer cradle, window bar steel, Setina expanded metal rear cage set-12vs-e-intsuv, horiz slide Chicago style/me coated- set-10xl-c-c, stinger ds LED w/dc charger, EZ Rider k-9 container SUV w/ door panel and window guard, k-9 deluxe rubber mat, rescue remote door opener. ez cool guard (ame- coolguard), and pager. Charge indicated includes all wire, loom, connectors, terminals, and solenoid to complete build. Labor to install above mentioned equipment including customer supplied graphics 	1	9,320.31	9,320.31T
	28	60.00	1,680.00
		SubTotal	\$11,000.31
		Tax (7%)	\$652.42
		Total	\$11,652.73

Accepted By _____

Accepted Date _____

X3 = 33,000

DANA SAFETY SUPPLY, INC
5221 W. MARKET ST
GREENSBORO, NC 27409

*Patrol Vehicles
 (Replacement)*

Sales Quote

Sales Quote No.	154842-C
Customer No.	WATAU

Telephone: 800-845-0405

Bill To
 WATAUGA CO SHERIFF'S DEPARTMENT
 ACCOUNTS PAYABLE
 184 HODGES GAP ROAD
 BOONE, NC 28607

Ship To
 WATAUGA CO SHERIFF'S DEPARTMENT
 DSS GREENSBORO FOR INSTALL

Contact:
 Telephone: 828-264-3761
 E-mail:

Contact: CAPT. KELLY REDMON
 Telephone: 828-264-3761
 E-mail:

Quote Date	Ship Via	F.O.B.	Customer PO Number	Payment Method	
05/26/15	GROUND	PPAY & ADD TO	PATROL VEHICLE SUV	NET 30	
Entered By		Salesperson	Ordered By	Resale Number	
MIKE BARNWELL		MIKE BARNWELL -	CAPT. KELLY REDMON		
Order Quantity	Approve Quantity	Tax	Item Number / Description	Unit Price	Extended Price
3	3	Y	IX34UFZBB WEC INNER EDGE - ALL BLUE W/TD'S 2012+ PIUT Warehouse: GBOR VEHICLE - INCLUDES FLASHING TAKE DOWN LIGHTS *****	602.1600	1,806.48
3	3	Y	DP603300 WEC DOMINATOR PLUS 3 BLUE, 3 AMBER Warehouse: GBOR	543.4300	1,630.29
3	3	Y	DBKT4 WEC L-ANGLE MTG BRACKET KIT FOR DOMINATOR (2 BRKTS) Warehouse: GBOR	13.9400	41.82
18	18	Y	IONB Whelen Blue ION LED, Black Housing & Universal Mount Warehouse: GBOR	75.0000	1,350.00
3	3	Y	IONBKT1 WEC ION LICENSE PLATE BRACKET (HORIZ) Warehouse: GBOR	18.6900	56.07
3	3	Y	VMFX11BC WEC FORD EXPLORER 2011-15 AND PIUT 2013-2015 Warehouse: GBOR	335.1900	1,005.57

Print Date	08/28/15
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Continued on Next Page

Sales Quote

DANA SAFETY SUPPLY, INC
5221 W. MARKET ST
GREENSBORO, NC 27409

Sales Quote No.	154842-C
Customer No.	WATAU

Telephone: 800-845-0405

Bill To
WATAUGA CO SHERIFF'S DEPARTMENT ACCOUNTS PAYABLE 184 HODGES GAP ROAD BOONE, NC 28607

Ship To
WATAUGA CO SHERIFF'S DEPARTMENT DSS GREENSBORO FOR INSTALL

Contact:
Telephone: 828-264-3761
E-mail:

Contact: CAPT. KELLY REDMON
Telephone: 828-264-3761
E-mail:

Quote Date	Ship Via	F.O.B.	Customer PO Number	Payment Method	
05/26/15	GROUND	PPAY & ADD TO	PATROL VEHICLE SUV	NET 30	
Entered By		Salesperson	Ordered By	Resale Number	
MIKE BARNWELL		MIKE BARNWELL -	CAPT. KELLY REDMON		
Order Quantity	Approve Quantity	Tax	Item Number / Description	Unit Price	Extended Price
3	3	Y	295SLSA6 WHELEN 100/200W Scan-Lock Self-Contained Siren/Switch Warehouse: GBOR	320.0000	960.00
3	3	Y	SA315P Whelen 100W Compact Black Composite 122DB Speaker Warehouse: GBOR	125.0000	375.00
3	3	Y	SAK44 WEC SA315P MTG KIT FOR 2013+ PIUT & 2011+ EXPLORER Warehouse: GBOR	21.9600	65.88
3	3	Y	7170-0165 GJ CONSOLE SOLUTION PKG, SEDAN INTERCEPTOR (2012-2013) Warehouse: GBOR INCLUDES CONSOLE, CUP HOLDERS, ARMREST, & LAPTOP MOTION ARM. CONSOLE INCLUDES THE FOLLOWING: 1 - 7140-0307, WHELEN 295SLSA6 1 - 7140-0438, MOTOROLA PMI500 1 - 1 - AND WHAT EVEROTHER FILLER PLATES NECESSARY TO COMPLETE THE INSTALLATION. LAPTOP HOLDER IS SOLD SEPERATELY ----- *****	446.0300	1,338.09

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Printed By: MIKE BARNWELL

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05/26/15	GROUND	PPAY & ADD TO	PATROL VEHICLE SUV	NET 30	
Entered By		Salesperson	Ordered By	Resale Number	
MIKE BARNWELL		MIKE BARNWELL -	CAPT. KELLY REDMON		
Order Quantity	Approve Quantity	Tax	Item Number / Description	Unit Price	Extended Price
3	3	Y	7160-0250 GJ NOTEPAD-5 UNIVERSAL COMPUTER CRADLE Warehouse: GBOR WILL ADJUST FOR COMPUTERS WITH THE FOLLOWING: WIDTH - 10.62 TO 16.5 INCHES THICKNESS - UP TO 1.50 INCHES DEPTH - 9.00 TO 12.38 INCHES *****	169.8700	509.61
3	3	Y	WK0514ITU12 SMC VERTICAL STEEL WINDOW BARS FOR 2013+ FORD PIUT Warehouse: GBOR STATE VEHICLE YEAR - *****	131.5100	394.53
3	3	Y	PK0123ITU122ND SMC 12-VS EXP MTL CARGO BARRIER 2012+ FORD PIUT Warehouse: GBOR STATE VEHICLE YEAR - *****	251.0600	753.18

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Contact: CAPT. KELLY REDMON
 Telephone: 828-264-3761
 E-mail:

Quote Date	Ship Via	F.O.B.	Customer PO Number	Payment Method	
05/26/15	GROUND	PPAY & ADD TO	PATROL VEHICLE SUV	NET 30	
Entered By		Salesperson	Ordered By	Resale Number	
MIKE BARNWELL		MIKE BARNWELL -	CAPT. KELLY REDMON		
Order Quantity	Approve Quantity	Tax	Item Number / Description	Unit Price	Extended Price
3	3	Y	PK1126ITU12SCA SMC #10X-RPLCTD POLY, 2013+ PIUT W/ XP MTL WINDOW CVR Warehouse: GBOR 2013+ FORD INTERCEPTOR - SUV.#10XL Coated Polycarbonate XL (Xtra Legroom) Partition. Include Recessed Panel & Lower Extension Panels Expanded metal cover over horizontal sliding window opening. *****	527.9100	1,583.73
3	3	Y	75456 SLI STINGER DS HL W/12VDC CHGR (NMH BATTERY) Warehouse: GBOR 640 LUMEN LIGHT OUTPUT *****	107.9400	323.82
3	3	Y	MISC MISC INSTALL PARTS Warehouse: GBOR	45.0000	135.00
3	3	Y	MISC INSTALL ALL EQUIPMENT LISTED AND: Warehouse: GBOR RADIO & ANTENNA TO BE SUPPLIED BY DEPARTMENT. INSTALL GRAPHICS TO BE SUPPLIED BY DEPARTMENT ON 2 VEHICLES ONLY. ONE IS UNMARKED NO GRAPHICS.	1,400.0000	4,200.00

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Telephone: 828-264-3761
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Contact: CAPT. KELLY REDMON
Telephone: 828-264-3761
E-mail:

Quote Date	Ship Via	F.O.B.	Customer PO Number	Payment Method	
05/26/15	GROUND	PPAY & ADD TO	PATROL VEHICLE SUV	NET 30	
Entered By		Salesperson	Ordered By	Resale Number	
MIKE BARNWELL		MIKE BARNWELL -	CAPT. KELLY REDMON		
Order Quantity	Approve Quantity	Tax	Item Number / Description	Unit Price	Extended Price
			Approved By: _____ <input type="checkbox"/> Approve All Items & Quantities		

Print Date	08/28/15
Print Time	10:33:14 AM
Page No.	5

Subtotal	16,529.07
Freight	400.00
6.750 %Sales Tax	1,142.71
Order Total	18,071.78

Printed By: MIKE BARNWELL

Precision Rescue Vehicles, LLC

Precision Rescue Vehicles, LLC
 PO Box 1542
 Fletcher, NC 28732

(828)712-3400
 precisionrescue@aol.com
 www.precisionrescue.com

Estimate

Date	Estimate #
09/16/2015	1020
	Exp. Date

Address
Capt. Kelly Redmon Watauga County Sheriff's Office 184 Hodges Gap Road Boone, NC 28607 USA

Activity	Quantity	Rate	Amount
<ul style="list-style-type: none"> Patrol SUV quotation. Provide and install the following: WHE-IW34UF6P Inneredge 6LED DUO All blue w/TD, WHE- DP603300 Dominator Plus LINZ6 3 blue/3 amber, 2- ION LED blue w/ license plate bracket, 2 Mirror beam ION V blue LED, WHE 295SLSA6 siren/light control, WHE SA315P 100 watt speaker, Gamber Johnson GAM-7170-0166 console bos 7160-0411 9" locking side arm Mongoose 7160-0220, armrest and cup holder, Notepad V Universal computer cradle, Setina Window bar steel Expanded metal rear cage Int SUV 2013, Horiz slide Chicago style/me inc. lower ext. coated, 1 stinger DS LED w/dc charger. Charge indicated includes all wire, loom, connectors, terminals and solenoid to complete build. Labor to install above mentioned equipment and customer supplied graphics. 	1	5,330.81	5,330.81 T
	19	60.00	1,140.00
		SubTotal	\$6,470.81
		Tax (7%)	\$373.16
		Total	\$6,843.97

Accepted By _____

Accepted Date _____

X 3 = 19,412.43

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AGENDA ITEM 10:**MISCELLANEOUS ADMINISTRATIVE MATTERS*****B. Food Hub Proposal – Proposed Lease for Development of Food Hub in the Cooperative Extension/Maintenance Building*****MANAGER’S COMMENTS:**

At the Board meeting, Ms. Carol Coulter, Blue Ridge Women in Agriculture (BRWIA), requested the Board consider a lease for space in the Cooperative Extension/Maintenance building. The purpose would be to create a food hub which would support local farmers and community gardens by providing much needed storage space for frozen and dry goods. Rent would be one dollar (\$1) per year and any subleases approved by the Board. BRWIA would provide funding for the up fit of the space and pay a portion of the utilities associated with the space.

Property owned by the County may be leased or rented for such terms and upon such conditions as the Board may determine, for up to ten (10) years. Property may be rented or leased only pursuant to a resolution of the Board authorizing the execution of the lease or rental agreement adopted at a regular Board meeting upon 10 days' public notice. Notice shall be given by publication describing the property to be leased or rented, stating the annual rental or lease payments, and announcing the Board's intent to authorize the lease or rental at its next regular meeting.

The request was for a twenty-five (25) year lease. However, due to North Carolina General Statutes the lease would need to be less than ten (10) years. Staff has discussed this matter with BRWIA and they are amendable to this change. If the request is granted, County Maintenance would relocate items currently stored there to the AppalCart facility which the County was recently awarded.

The Board by resolution authorized the execution of the lease to be adopted at this regular Board meeting with the 10 days' public notice being satisfied. Notice was given by publication describing the property to be leased, stating the annual lease payments, and announcing the Board's intent to authorize the lease at this regular meeting.

Board action is requested to approve BRWIA’s request and direct staff and the County Attorney to develop and execute the necessary lease.



Food Hub Proposal

Blue Ridge Women in Agriculture (BRWIA), a 501 c 3 organization, is seeking to develop a Food Hub in Watauga County and is submitting this proposal to lease the space located in the basement of the Agriculture Center that currently occupied by county maintenance. BRWIA has funding for infrastructure for the Food Hub but needs a space to locate a walk-in cooler and freezer and shelving for dry storage. We are working with Cooperative Extension to provide support to local farmers and Community Gardens specifically addressing the need for storage space for frozen items, cool storage space and dry goods storage space.

- Farmers to store meat, eggs, produce and dry storage goods such as molasses and honey. It is more cost effective if farmers can take several animals to the processor at one time but freezer space on the farm is limited.
- Winter Farmers Market can use space to store root crops and other items for the market each month
- High Country CSA (Community Supported Agriculture) and individual farm CSA's will use the space to store produce, meat, eggs and other items.
- Farm Café will store excess produce as will other gardens, for example Hospitality House and the Hunger and Health Coalition. They also receive unexpected donations of produce and other food and there is not always storage space.
- New Appalachia distributor will use space as a satellite pick-up site.
- Farmers can make bulk orders of supplies like wax boxes, bags, jars that can be delivered to the Food Hub and then pick up by individual farmers.

Farmers and users of the space will pay a nominal rental fee for their storage space. The funds collected from rental fees will go toward repair and maintenance of the cooler and freezer or to purchase additional equipment.

Blue Ridge Women in Agriculture has grant funds to pay for the up-fit of the space.

- \$35,000 from Heifer USA for the walk-in Cooler and Freezer
- \$27,000 from the USDA for electrical, shelving and other miscellaneous items needed to get up and running.

Blue Ridge Women in Agriculture and the Watauga County Cooperative Extension request the Commissioners consider a nominal rental fee for the use of the space and a lease for 25 years as BRWIA will put considerable funds into the up-fit. This Food Hub will benefit farmers, organizations working to feed low resource community members and everyone who eats. By having dedicated space and an operational food hub, this provides us additional opportunities to apply for grant funds to continue to up-fit the facility in the future.

Blue Ridge Women in Agriculture (BRWIA) is dedicated to strengthening the High Country's local food system by supporting women and their families with resources, education, and skills related to sustainable food and agriculture.

P.O. Box 67, Boone, NC, 28607
(828) 386 - 1537
www.brwia.org

STATE OF NORTH CAROLINA**COUNTY OF WATAUGA****Resolution of Watauga County Board of County Commissioners**

Pursuant to NCGS 160A-272, notice is hereby given that at the regular commissioner meeting of the Watauga County Board of County Commissioners on October 6, 2015, the Watauga County Board of County Commissioners adopted a resolution which authorized Deron T. Geouque, County Manger, of Watauga County to lease to the Blue Ridge Women In Agriculture space located under the Farm Service Agency in that certain building known as the West Annex Building (the "Leased Premises") located at 969 West King Street, Boone, NC 28607 (the "Property") in Watauga County, North Carolina, and being approximately 2,128 square feet of space, for a term of ten (10) years, with automatic one year renewals unless either Watauga County or the Blue Ridge Women In Agriculture gives written notice no less than sixty (60) days that the other party intends not to renew the Lease Agreement. The rent to be paid by the Blue Ridge Women In Agriculture to Watauga County during the term of the lease is One Dollar (\$1.00) per annum. The lease shall become effective ten (10) days after the publication of this notice and formal adoption of the lease by the Board of Commissioners.

ADOPTED this the 6th day of October, 2015.

Jimmy Hodges, Chairman
Watauga County Board of County Commissioners

ATTEST:

Anita Fogle, Clerk to the Board

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AGENDA ITEM 10:**MISCELLANEOUS ADMINISTRATIVE MATTERS*****C. Recommended Contract Awards for Employee Medical, Dental, and Life Insurance*****MANAGER'S COMMENTS:**

Renewal rates have been received for medical, dental, and life insurance benefits. The renewal rate received from BCBS for medical insurance is a 3.62% increase. The increase is well below medical trend and a key element in reducing the increase is the County's High Deductible Health Plan (HDHP).

Dental premiums increased four percent (4%) which is also below trend. The new provider will be Delta Dental. Staff was able to secure a two (2) year rate lock. Life insurance was favorable to the County and a 43% rate reduction was able to be acquired. Staff was able to secure a three (3) year rate lock. The new provider will be Symetra Financial. The increase in dental premiums was \$2,484.72. The reduction in life insurance premiums was \$5,966.40. The overall net reduction for dental and life insurance is \$3,481.68.

Based on the favorable rates received, staff recommends Blue Cross Blue Shield for the County's medical plan and for the County to fund \$1,000 into each employee's HSA account. In addition, staff recommends Delta Dental and Symetra Financial Group as the County's providers for dental and life insurance.

Adequate funds have been budgeted to cover the renewal rates. Board action is required.



Watagua County

January 1, 2016

		Current BCBSNC		Renewal BCBSNC	
Rates	Counts				
Single	256	\$550.22		\$570.08	
Employee + Spouse	5	\$1,194.62		\$1,238.06	
Employee + Children	16	\$817.85		\$848.13	
Family	1	\$1,687.87		\$1,750.41	
Estimated Annual Premium		\$1,939,235		\$2,009,415	
Percentage Change		0.00%		3.62%	
Dollar Change		\$0		\$70,181	
Deductible		:		:	
Individual		\$2,500	\$5,000	\$2,500	\$5,000
Family		\$5,000	\$10,000	\$5,000	\$10,000
Coinsurance		100%	70%	100%	70%
Out-of-Pocket Maximum		:		:	
Individual		\$2,500	\$6,250	\$2,500	\$5,000
Family		\$5,000	\$12,500	\$5,000	\$10,000
Outpatient Services		Ded/Coins	Ded/Coins	Ded/Coins	Ded/Coins
Inpatient Services		Ded/Coins	Ded/Coins	Ded/Coins	Ded/Coins
Emergency Room		Ded/Coins	Ded/Coins	Ded/Coins	Ded/Coins
Urgent Care		Ded/Coins	Ded/Coins	Ded/Coins	Ded/Coins
Office Visit		Ded/Coins	Ded/Coins	Ded/Coins	Ded/Coins
Preventative Care		100%	N/A	100%	N/A
Prescription Drugs		:		:	
Generic		Ded/Coins	Ded/Coins	Ded/Coins	Ded/Coins
Preferred Brand		Ded/Coins	Ded/Coins	Ded/Coins	Ded/Coins
Non-Preferred Brand		Ded/Coins	Ded/Coins	Ded/Coins	Ded/Coins

Watauga County Dental Plan & Cost Comparison

Option	Current		Renewal		Option 1		Option 2		Option 3	
Carrier	Lincoln Financial Group		Lincoln Financial Group		Delta Dental		Sun Life Financial		Guardian Group Benefits	
Class 1 Description	All Eligible Full-Time Employees		All Eligible Full-Time Employees		All Eligible Full-Time Employees		All Eligible Full-Time Employees		All Eligible Full-Time Employees	
Class 2 Description	Retirees		Retirees		Retirees		Retirees		Retirees	
Class 3 Description	All Regular Part-Time Employees		All Regular Part-Time Employees		All Regular Part-Time Employees		All Regular Part-Time Employees		All Regular Part-Time Employees	
Plan Type	Passive PPO		Passive PPO		Passive PPO		Passive PPO		Passive PPO	
Annual Max	\$1,000		\$1,000		\$1,000		\$1,000		\$1,000	
Deductible	\$50 / \$150 (waived for Type I)		\$50 / \$150 (waived for Type I)		\$50 / \$150 (waived for Type I)		\$50 / \$150 (waived for Type I)		\$50 / \$150 (waived for Type I)	
U & C Reimbursement %	90%		90%		90%		90%		90%	
Endodontics & Periodontics	Covered Under Basic (Type II)		Covered Under Basic (Type II)		Covered Under Basic (Type II)		Covered Under Basic (Type II)		Covered Under Basic (Type II)	
Coverage Levels	In-Network	Out-of-Network	In-Network	Out-of-Network	In-Network	Out-of-Network	In-Network	Out-of-Network	In-Network	Out-of-Network
Preventative (Type I)	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Basic (Type II)	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%
Major (Type III)	50%	50%	50%	50%	50%	50%	50%	50%	50%	50%
Waiting Period	N/A		N/A		N/A		N/A		N/A	
Contribution	Contributory		Contributory		Contributory		Contributory		Contributory	
Participation Requirement	-		-		100%		100%		100%	
Rate Guarantee	-		12 Months		24 Months		24 Months		12 Months	

Enrollment Tiers	Enrollment	Rates	Enrollment	Rates	Enrollment	Rates	Enrollment	Rates	Enrollment	Rates
EE	203	\$25.14	203	\$31.46	203	\$26.16	203	\$26.24	203	\$27.91
EE+DEPS	60	\$67.85	60	\$84.91	60	\$70.59	60	\$70.81	60	\$75.31
EE+FAM	19	\$112.29	19	\$140.52	19	\$116.83	19	\$117.18	19	\$124.64
Monthly Premium	\$11,307.93		\$14,150.86		\$11,765.65		\$11,801.74		\$12,552.49	
Annual Premium	\$135,695.16		\$169,810.32		\$141,187.80		\$141,620.88		\$150,629.88	
Relation to Current Rates	N/A		25.1%		4.0%		4.4%		11.0%	

**Watauga County
Basic Life/ADD Plan & Cost Comparison**

Option	Current	Renewal	Option 1	Option 2	Option 3	Option 4	Option 5
Carrier	Lincoln Financial Group	Lincoln Financial Group	Symetra Financial	Voya Financial	Sun Life Financial	AIG Benefit Solutions	Cigna Group Insurance
Class Description	All Eligible Full-Time Employees	All Eligible Full-Time Employees	All Eligible Full-Time Employees	All Eligible Full-Time Employees	All Eligible Full-Time Employees	All Eligible Full-Time Employees	All Eligible Full-Time Employees
Basic Life/ADD Benefit	BAE to \$80,000	BAE to \$80,000	BAE to \$80,000	BAE to \$80,000	BAE to \$80,000	BAE to \$80,000	BAE to \$80,000
Guarantee Issue	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000
Age Reduction Schedule	To 65% at age 65; to 50% at age 70; to 25% at age 75	To 65% at age 65; to 50% at age 70; to 25% at age 75	To 65% at age 65; to 50% at age 70; to 25% at age 75	To 65% at age 65; to 50% at age 70; to 25% at age 75	To 65% at age 65; to 50% at age 70; to 25% at age 75	To 65% at age 65; to 50% at age 70	To 65% at age 65; to 50% at age 70; to 25% at age 75
Waiver of Premium	Included	Included	Included - 6 Month Waiting Period	Included - 6 Month Waiting Period	Included - No Waiting Period	Included - 9 Month Waiting Period	Included - 9 Month Waiting Period
Accelerated Death Benefit	Included	Included	Included	Included	Included	Included	Included
Conversion	Included	Included	Included	Included	Included	Included	Included
Portability	Not Included	Not Included	Not Included	Not Included	Included	Not Included	Not Included
Travel Assistance	Included	Included	Included	Included	Included	Included	Included
Contributions	100% Employer Paid	100% Employer Paid	100% Employer Paid	100% Employer Paid	100% Employer Paid	100% Employer Paid	100% Employer Paid
Required Participation	-	-	100%	100%	100%	100%	100%
Rate Guarantee	-	12 Months	36 Months	36 Months	36 Months	36 Months	36 Months
Number of Employees	292	292	292	292	292	292	292
Covered Benefit Volume	\$9,944,000	\$9,944,000	\$9,944,000	\$9,944,000	\$9,944,000	\$9,944,000	\$9,944,000
Basic Life Rate per \$1,000	\$0.100	\$0.150	\$0.050	\$0.120	\$0.154	\$0.190	\$0.260
Basic ADD Rate per \$1,000	\$0.015	\$0.025	\$0.015	\$0.015	\$0.021	\$0.040	\$0.015
Monthly Premium	\$1,143.56	\$1,740.20	\$646.36	\$1,342.44	\$1,740.20	\$2,287.12	\$2,734.60
Annual Premium	\$13,722.72	\$20,882.40	\$7,756.32	\$16,109.28	\$20,882.40	\$27,445.44	\$32,815.20
Relation to Current Rates	N/A	52.17%	-43.48%	17.39%	52.17%	100.00%	139.13%
Annual Savings	N/A	-\$7,159.68	\$5,966.40	-\$2,386.56	-\$7,159.68	-\$13,722.72	-\$19,092.48
Length of Contract Savings	N/A	-\$7,159.68	\$17,899.20	-\$7,159.68	-\$21,479.04	-\$41,168.16	-\$57,277.44

AGENDA ITEM 10:

MISCELLANEOUS ADMINISTRATIVE MATTERS

D. November Meeting Schedule

MANAGER'S COMMENTS:

The November 3, 2015, meeting falls on Election Day in which the Board of Elections requires the use of the board room for that day. Historically, November is a month with very few agenda items. The Board may wish to reschedule or cancel the November 3rd meeting.

At this time, staff would recommend canceling the November 3, 2015 meeting due to the Board of Elections requiring the use of the Board room. The November 17, 2015, meeting would be adequate to address County business.

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AGENDA ITEM 10:

MISCELLANEOUS ADMINISTRATIVE MATTERS

E. Boards and Commissions

MANAGER'S COMMENTS:

Watauga County Board of Adjustment

Adam Rhyne's term expires in November. He is willing to continue to serve if so reappointed. It is a three-year term.

The above is a second reading and, therefore, action may be taken if so desired.

Parks and Recreation Commission

The Seven Devils Town Council nominated Ms. Anne Fontaine for reappointment as their representative on the Watauga County Recreation Commission.

The above is a first reading and, therefore, no action is required at this time.

Anita.Fogle

From: Joe Furman
Sent: Monday, September 21, 2015 2:15 PM
To: Deron.Geouque
Cc: Anita.Fogle
Subject: Boards and Commissions

Deron,
Adam Rhyne's term on the Board of Adjustment expires in November; it is a three year term. He is willing to be reappointed.
Thanks.
Joe

Joseph A. Furman, AICP
Director, Watauga County Planning & Inspections and Economic Development
331 Queen Street, Suite A
Boone, NC 28607
(828) 265-8043
(828) 265-8080 (fax)
joe.furman@watgov.org

TOWN MANAGER
Ed Evans, MPA, CZO

TOWN FINANCE OFFICER
Helga Sappington

TOWN CLERK
Sara Miller, MS



TOWN COUNCIL
102015 BCC Meeting

MAYOR - *Larry Fontaine*
MAYOR PRO-TEM - *Brad Lambert*
Kay Ehlinger
David Ehmig
David Hooper

TOWN OF SEVEN DEVILS

October 13, 2015

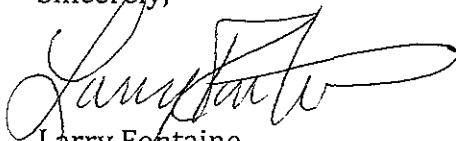
Mr. Deron Geouque
Watauga County Manager
814 W. King Street, Ste 205
Boone, NC 28607

RE: Watauga County Recreation Commission Nominee—Seven Devils

Mr. Geouque:

The Seven Devils Town Council met on Tuesday, October 13, 2015 at 5:30PM in regular session, during which the Council nominated Ms. Anne Fontaine to continue to be a representative member in the Watauga Co. Recreation Commission for Seven Devils. Mr. Mark Garrett does not wish to continue to serve on the Watauga Co. Recreation Commission, because he has moved. Thank you for your time.

Sincerely,


Larry Fontaine
Mayor/Town of Seven Devils

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AGENDA ITEM 10:

MISCELLANEOUS ADMINISTRATIVE MATTERS

F. Announcements

MANAGER'S COMMENTS:

The Annual County Christmas Luncheon, scheduled on Tuesday, December 8, 2015, will be held at Dan'l Boone Inn from 11:45 A.M. to 2:00 P.M.

AGENDA ITEM 11:

PUBLIC COMMENT

AGENDA ITEM 12:

BREAK

AGENDA ITEM 13:

CLOSED SESSION

Attorney/Client Matters – G. S. 143-318.11(a)(3)
Land Acquisition – G. S. 143-318.11(a)(5)(i)

AGENDA ITEM 14:

POSSIBLE ACTION AFTER CLOSED SESSION