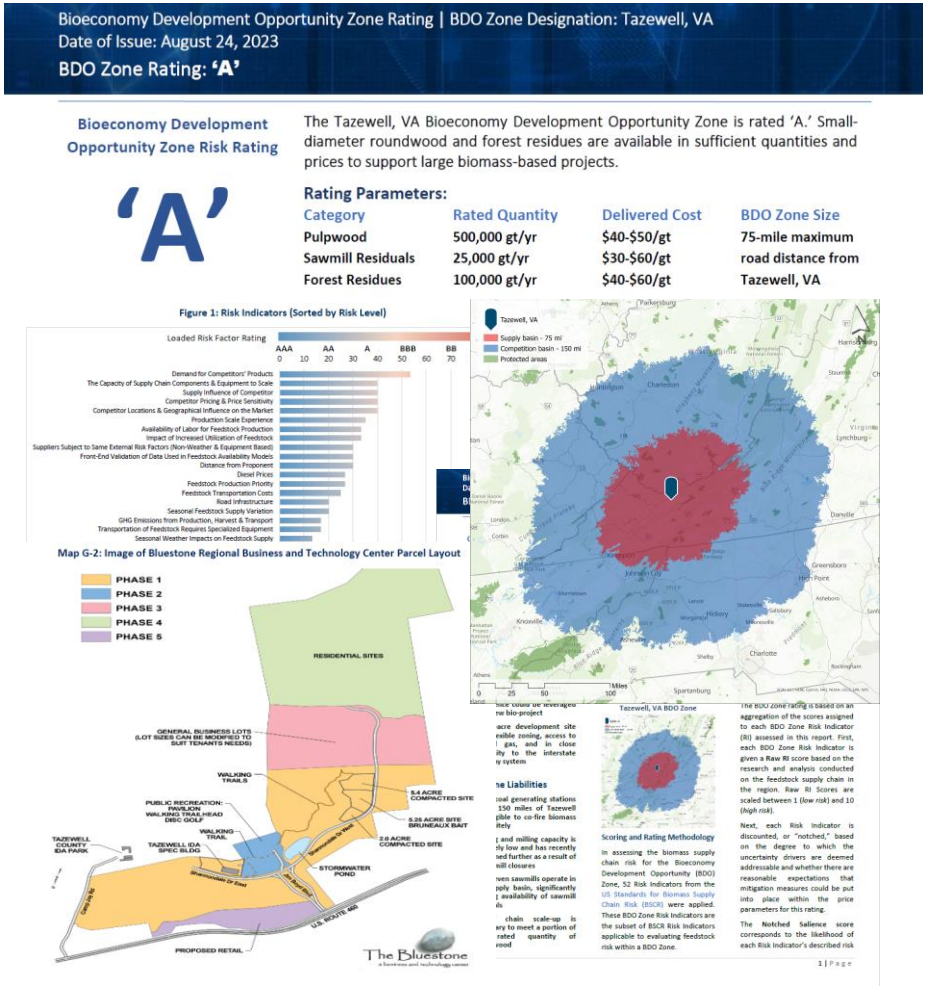
Tazewell, VA
BDO Zone Rating: **'A'**

- ✓ Rating Parameters: 625,000 tons/yr of wood fiber at delivered price of $30-$60/ton
- ✓ Large surplus of low grade roundwood.
- ✓ Limited feedstock competition .
- ✓ Idle supply chain infrastructure can be leveraged by new developers.
- ✓ Business park near Interstate highway system with several 3-to-12-acre sites and access to natural gas.



Bioeconomy Development Opportunity Zone Rating | BDO Zone Designation: Tazewell, VA
Date of Issue: August 24, 2023
BDO Zone Rating: 'A'

Bioeconomy Development Opportunity Zone Risk Rating

'A'

The Tazewell, VA Bioeconomy Development Opportunity Zone is rated 'A.' Small-diameter roundwood and forest residues are available in sufficient quantities and prices to support large biomass-based projects.

Rating Parameters:

Category	Rated Quantity	Delivered Cost	BDO Zone Size
Pulpwood	500,000 gt/yr	$40-$50/gt	75-mile maximum
Sawmill Residuals	25,000 gt/yr	$30-$60/gt	road distance from
Forest Residues	100,000 gt/yr	$40-$60/gt	Tazewell, VA

Figure 1: Risk Indicators (Sorted by Risk Level)

Loaded Risk Factor Rating

Demand for Competitors' Products
The Capacity of Supply Chain Components & Equipment to Scale
Supply Influence of Competitor
Competitor Pricing & Price Sensitivity
Competitor Locations & Geographical Influence on the Market
Production Scale Experience
Availability of Labor for Feedstock Production
Impact of Increased Utilization of Feedstock
Suppliers Subject to Same External Risk Factors (Non-Weather & Equipment Based)
Front-End Validation of Data Used in Feedstock Availability Models
Distance from Proponent
Diesel Prices
Feedstock Production Priority
Feedstock Transportation Costs
Road Infrastructure
Seasonal Feedstock Supply Variation
GHG Emissions from Production, Harvest & Transport
Transportation of Feedstock Requires Specialized Equipment
Seasonal Weather Impacts on Feedstock Supply

Tazewell, VA
Supply basin - 75 mi
Competition basin - 150 mi
Protected areas

Map G-2: Image of Bluestone Regional Business and Technology Center Parcel Layout

PHASE 1
PHASE 2
PHASE 3
PHASE 4
PHASE 5
RESIDENTIAL SITES
GENERAL BUSINESS LOTS (LOT SIZES CAN BE MODIFIED TO SUIT TENANTS NEEDS)
WALKING TRAILS
PUBLIC RECREATION: PAVILION, WALKING TRAILHEAD, DISC GOLF
WALKING TRAIL
TAZEWELL COUNTY IDA PARK
TAZEWELL IDA SPEC BLDG
5.4 ACRE COMPACTED SITE
8.25 ACRE SITE BRUNEAUX BAT
2.0 ACRE COMPACTED SITE
STORMWATER POND
PROPOSED RETAIL
The Bluestone

Tazewell, VA BDO Zone

Scoring and Rating Methodology

In assessing the biomass supply chain risk for the Bioeconomy Development Opportunity (BDO) Zone, 52 Risk Indicators from the US Standards for Biomass Supply Chain Risk (BSCR) were applied. These BDO Zone Risk Indicators are the subset of BSCR Risk Indicators applicable to evaluating feedstock risk within a BDO Zone.

The BDO Zone rating is based on an aggregation of the scores assigned to each BDO Zone Risk Indicator (RI) assessed in this report. First, each BDO Zone Risk Indicator is given a Raw RI score based on the research and analysis conducted on the feedstock supply chain in the region. Raw RI Scores are scaled between 1 (*low risk*) and 10 (*high risk*).

Next, each Risk Indicator is discounted, or "notched," based on the degree to which the uncertainty drivers are deemed addressable and whether there are reasonable expectations that mitigation measures could be put into place within the zone parameters for this rating.

The Notched Salience score corresponds to the likelihood of each Risk Indicator's described risk

1 | Page

View and download the Tazewell, VA, BDO Zone Rating **here**.

BD BIOECONOMY DEVELOPMENT
OZ OPPORTUNITY ZONE INITIATIVE