

## **TRIUMPH GULF COAST, INC. PRE-APPLICATION FORM**

Triumph Gulf Coast, Inc. (“Triumph Gulf Coast”) has created a pre-application process to provide initial consideration of eligibility for potential ideas of projects or programs that may seek an award of funding. Applicants are required to participate in the pre-application process. Notwithstanding the response from Triumph Gulf Coast on the pre-application form, an Applicant may still elect to submit an Application.

### **APPLICANT INFORMATION**

Name of Individual/Entity/Organization: **TWIN RIVERS LAND & TIMBER, INC.**

Proposal Title: **ST JOE PORT PROJECT**

Amount of Triumph Funds Requested: **\$47,066,695**

Total Estimated Project Cost: **\$109,210,300**

Brief Description of Individual/Entity/Organization: **Twin Rivers Land & Timber is a timber company out of Georgia, specializing in raw biomass procurement and establishing sustainable supply chains to meet market demands both domestically and internationally.**

### Contact Information

Primary Contact: **CLAY CROSBY**

Title: **CEO**

Mailing Address: **PO BOX 968**

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Email Address: **clay.crosby@twinriverstimber.com**

Website: **twinriverstimber.com**

Names of co-applicants, partners or other entities, organizations that will have a role in the proposed project or program: **TWIN RIVERS GLOBAL, INC.**

### **REQUIRED EXECUTIVE SUMMARY**

In a maximum of two (2) pages, please describe the proposed project or program and anticipated outcomes including (i) the amount of funds being sought from Triumph Gulf Coast; (ii) the amount and identity of other sources of funds for the proposed project or program; (iii) the location of the project or program; (iv) summary description of the proposed program, including how the program will be transformational and promote economic recovery, diversification, and enhancement of the disproportionately affected counties, and (v) a summary timeline for the proposed project or program.

### **IMPORTANT NOTICE**

This pre-application process will not result in an award of funding by Triumph Gulf Coast. Rather, this process is designed to facilitate submission of ideas for potential projects or programs before the Applicant expends time and/or resources to complete a full Application. All Applicants for funding are required to complete an Application, which will be reviewed and then considered for award at the discretion of Triumph Gulf Coast Board.

Updated 5/1/18

**Please Select the Proposal's Eligibility Category(s)**

Pursuant to Section 288.8017, Triumph Gulf Coast, Inc. was created to make awards from available funds to projects or programs that meet the priorities for economic recovery, diversification, and enhancement of the disproportionately affected counties. The disproportionately affected counties are: Bay County, Escambia County, Franklin County, Gulf County, Okaloosa County, Santa Rosa County, Walton County, or Wakulla County. See, Section 288.08012.

1. From the choices below, please check the box that describes the purpose of the proposed project or program (check all that apply):

- Ad valorem tax rate reduction within disproportionately affected counties;
- Local match requirements of s. 288.0655 for projects in the disproportionately affected counties;
- Public infrastructure projects for construction, expansion, or maintenance which are shown to enhance economic recovery, diversification, and enhancement of the disproportionately affected counties;**
- Grants to local governments in the disproportionately affected counties to establish and maintain equipment and trained personnel for local action plans of response to respond to disasters, such as plans created for the Coastal Impacts Assistance Program;
- Grants to support programs that prepare students for future occupations and careers at K-20 institutions that have campuses in the disproportionately affected counties. Eligible programs include those that increase students' technology skills and knowledge; encourage industry certifications; provide rigorous, alternative pathways for students to meet high school graduation requirements; strengthen career readiness initiatives; fund high-demand programs of emphasis at the bachelor's and master's level designated by the Board of Governors; and, similar to or the same as talent retention programs created by the Chancellor of the State University System and the Commission of Education, encourage students with interest or aptitude for science, technology, engineering, mathematics, and medical disciplines to pursue postsecondary education at a state university or a Florida College System institution within the disproportionately affected counties;
- Grants to support programs that provide participants in the disproportionately affected counties with transferable, sustainable workforce skills that are not confined to a single employer; and
- Grants to the tourism entity created under s. 288.1226 for the purpose of advertising and promoting tourism and Fresh From Florida, and grants to promote workforce and infrastructure, on behalf of all of the disproportionately affected counties.

Updated 5/1/18

**Please Select the Priorities this Proposal's Outcomes will Achieve**

1. Please check the box if the proposed project or program will meet any of the following priorities (check all that apply):
  - Generate maximum estimated economic benefits, based on tools and models not generally employed by economic input-output analyses, including cost-benefit, return-on-investment, or dynamic scoring techniques to determine how the longterm economic growth potential of the disproportionately affected counties may be enhanced by the investment.**
  - Increase household income in the disproportionately affected counties above national average household income.
  - Leverage or further enhance key regional assets, including educational institutions, research facilities, and military bases.
  - Partner with local governments to provide funds, infrastructure, land, or other assistance for the project.
  - Benefit the environment, in addition to the economy.**
  - Provide outcome measures.
  - Partner with K-20 educational institutions or school districts located within the disproportionately affected counties as of January 1, 2017.
  - Are recommended by the board of county commissioners of the county in which the project or program will be located.
  - Partner with convention and visitor bureaus, tourist development councils, or chambers of commerce located within the disproportionately affected counties.



## TWIN RIVERS LAND AND TIMBER, INC

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### EXECUTIVE SUMMARY

As you are all aware, the effects from Hurricane Michael caused wide spread destruction across the panhandle's timberlands. A lifetime of investment, and the entire timber industry has been severally impacted. Without a viable plan, including a short-term relief, mid-term relief and long-term plan of action, the timber economy of Northwest Florida cannot sustain. Twin Rivers Land & Timber has joined forces with the Florida Forestry Association, Florida Forest Services and Florida Forestry Task Force to develop a plan of action. Twin Rivers presented our 3-phase plan to the Florida Task Force during its first meeting, October 31<sup>st</sup> and had an open arm reception. Florida legislation will be convening mid-November to discuss delegation of funding for an expedited Phase 1. It is our request that Triumph Gulf Coast aid in Phase 2 of our plan for economic recovery efforts to the affected counties. This aid is not only for the timber salvage operation, but for job creation in gulf coast counties and new innovative technology that has national and international affects in reducing carbon emissions and aiding in the reversal of global warming.

Below you find the Plan of Action, Twin Rivers Land & Timber, Inc. will be taking to aid the timber economy in Florida's Panhandle.

*Of the 2,808,645 acres; (1,308,000 of those damaged acres considered severe or catastrophic), of timberland devastated by Hurricane Michael, we only have 3-5 months to utilize the timber on the ground before it is not merchantable any longer. The current markets available cannot support the need to utilize such volume in the timeframe, especially with a major pulpwood market, WestRock in Panama City, being offline.*

#### **Phase 1:**

*Utilize all export markets available for pulpwood, clean chips, sawtimber and biomass. I have had several meetings with the port authority at Port St Joe and have received support for following my proposed plan.*

*Immediate steps would be to load containers with saw logs to send to our Chinese market. We will set up to debark and clean chip pine to send to my Turkish market. Fuelwood chips will be loaded into bulk vessels and exported to Biomass boilers in the Caribbean.*

#### **Phase 2: Nanomass**

*Nanomass is a 40-micron dust particle made from any species of wood or bark.*

*Twin Rivers has a patented technology using ultrasonic sound waves to create an implosion in the center of the mass in any species of woody biomass or debris. It separates the molecules within the wood moisture cells resulting in a dehydrated Nanomass powder containing 8300-8800 btu. This particle size is compatible with any pulverized coal burner pneumatically injected across the country.*

*The Nanomass will be sent out of Port St Joe via barge to coal plants up the Mississippi River or sent via rail to any coal plant in the country, once the trussel is fixed near Hosford.*

*The coal plants can mix the Nanomass at whatever percentage desired. Our dust burns very comparable to the efficiency of coal, due to the low moisture content and the consistent combustion rate of the small pneumatically injected particles for even temperature.*

*The percentage of Nanomass mixed into a coal plant will have the same percentage of neutralized carbon emissions from the coal plant and the same percent of newly created renewable energy, i.e.; 1,000mw coal plant using a 20% blend = 200mw renewable energy and 20% of neutralized carbon emissions.*

*The ability to process woody Biomass and debris through the Nanomass system would extend the merchantability of the timber on the ground by 12-18 months. Timber with bark off can still be utilized until it rots.*

*Each Nanomass tower processes 12 tons per hour, 24hrs a day. The footprint for each tower is 16'x24'x24' tall. The port in St Joe has ample room for as many units as needed to utilize the timber and supply the coal plants.*

*The Nanomass processing units do not have any harmful emissions, or high decibel noise generated, nor are there any unpleasant odors. The only emission is water vapor from the dehydration process.*

*This technology and the Nanomass System is the first ever efficient method of co-firing biomass in a coal system to generate large quantities of renewable energy.*

### **Phase 3: Reforestation / Producer Sustainability**

*With a major pulpwood mill offline and available feedstock limited in the panhandle after the storm damage wood is reclaimed, I would suggest the Florida reforestation efforts add an extra economic phase of a short-term biomass forestry economy.*

*2.9 million ac in Florida alone have been affected by Hurricane Michael. If we take 80,000 ac or 3% of the affected acres and replant in hybrid eucalyptus that could be harvested annually to keep the Florida wood producers sustained and thriving in the years it will take to regrow pine pulpwood and sawtimber ready for market in the panhandle. This is the equivalent to 2 million annual tons, or 20 logging crews. This will also generate an annual revenue for current landowners whose timber investments have been devastated, beginning as quickly as 2020.*

*Eucalyptus can be processed into Nanomass dust and continue producing a renewable fuel source for the nation's coal plants long after the initial recovery efforts have taken place. As well as provide another market for residuals and byproducts coming from local sawmills. The traditional treelength loggers in the affected area would add an in-woods chipper to their existing crew(s) and go back to work.*

*I have been in meetings with the St Joe Port as well as the railroad over the past 2 weeks to begin exporting immediately, as well as procured transloading sites with wet yards and the necessary equipment needed to expedite this plan for short term relief.*

*\*\*Additional Note for long term plan: Not only does the commissioning of the Nanomass System expand the lifespan of the down timber by 12-18 months past merchantability, it creates 1,000+ new jobs in the Panhandles timber industry, sustains the existing supply chain for the time period needed to grow the first crop of eucalyptus, and it creates a renewable energy fuel source- 100% compatible and efficient enough to co-fire in any pulverized coal plant. It also provides more renewable energy, which all utility companies are desiring and neutralizes carbon emissions from coal plants across the country.*

Twin Rivers Land & Timber is requesting \$47,066,095 in funding for The St Joe Port Project, to recommission the port infrastructure in Gulf County and establish the initial Nanomass Towers needed to promote growth and recovery into surrounding gulf coast counties. With needed urgency, The St Joe Port Project – Phase 2: Nanomass can be operational by January 31, 2019, and at full capacity by summer 2019.

Phase 1 funding will come in the form of government subsidies, private equity and product sales. Additional Phase 2 funding is acquired from private equity and the generation of in-house revenue once the initial Nanomass Towers are commissioned.