

## **Update: An Opportunity for Dairies & other Animal Operations in Northcentral Texas**

### **BACKGROUND**

In July, the Stephenville Economic Development Authority (SEDA) and the Foundation reached out to you on the ATIP Foundation's "Advancing the Bioeconomy in Northcentral TX" utilizing renewable and/or waste feedstocks principally from agricultural operations (dairies, poultry, swine, beef). This project specifically is funded by USDA Rural Development by the divisions of Rural Business Development, and Renewable Energy for America Program, and we are conducting this in concert with all economic development authorities in Erath, Palo Pinto, Parker, and Hood counties. The Foundation and SEDA continue our extensive update briefings to fifty-four (54) corporations from across the U.S. that have been following this project to determine whether they will establish a bioeconomy business in this region; thus far at least two already formally committed to build operations in the region within the next 6-12 months.

### **YOUR OPPORTUNITY**

The Foundation would like to brief you specifically on the status of the project and answer any questions you might have about participating with these businesses in converting animal and agriculture wastes to bioenergy and other useful co-products and what that may mean for your operation. Please contact Jeff Sandford or Ashleigh Feuerbacher at (254) 459-4921 or email at [jsandford@stephenvilleeda.com](mailto:jsandford@stephenvilleeda.com) for scheduling.

### **SUPPORT PROVIDED**

This project has amassed an extensive Geographic Information System (GIS) database that illustrates exactly how much biomass is produced and where it is. This is important information for these businesses in determining where their facility should be located. This database is now available for you to peruse at <https://arcgis.com/apps/webappviewer/index.html?id=e4e4ae3e65304d3593a03819f3915ece>

And we would be happy to guide you through it. We also would like to know specifically what your needs are as you look for additional business opportunities for your operation.

The GIS Database also identifies suppliers & service providers, and other resources important to business startups, expansions and relocations. We are working with State agencies, municipal and county governments, the financial services sector, economic development corporations and local workforce boards, academic institutions, and the supply chain from sources of biomass to end user of resultant goods and services, to ensure the region is supportive of and knowledgeable about the bioeconomy.

### **WE LOOK FORWARD TO HEARING FROM YOU**

We have enclosed a brief description of the GIS Database illustrating the support the ATIP Foundation can provide to these biomass conversion businesses, and to you as a provider of biomass.

Regards,

**Jeff Sandford**  
*Executive Director*  
Stephenville Economic Development Authority

**Wes Jurey**  
*President & CEO*  
ATIP Foundation



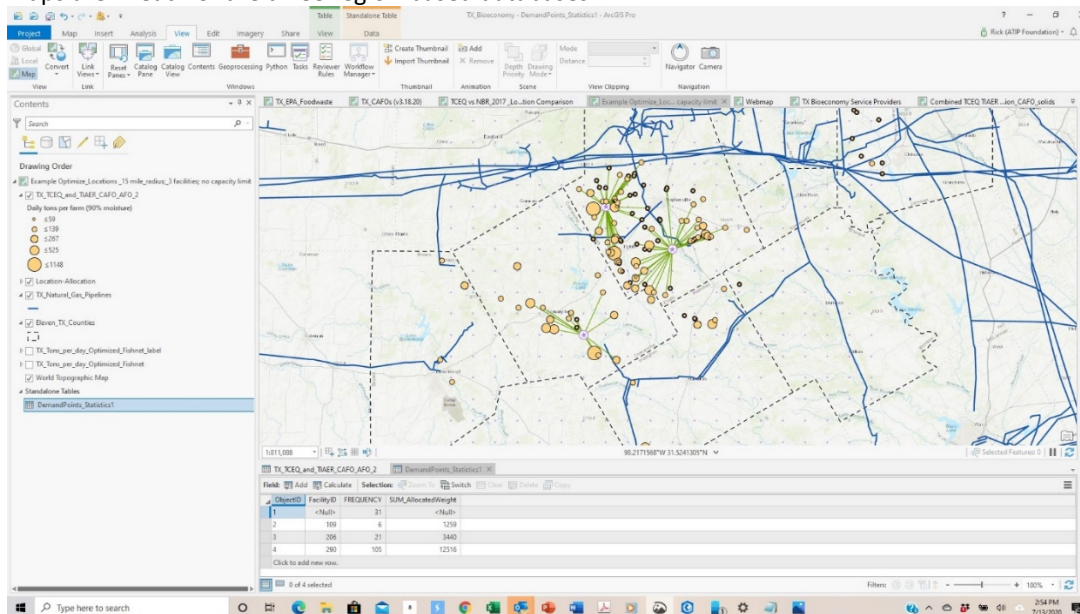
## ATIP Foundation: *Advancing the Bioeconomy in Northcentral Texas* Examples of geospatial inventories and access to database

We have created a geospatial inventory of biomass feedstocks suitable for biodigesters, biorefineries and pyrolysis or torrefication processes, as well as bioeconomy service providers (six economic sectors) in the 4-county area of northcentral Texas dairy region (Erath, Palo Pinto, Parker, and Hood counties). This GIS web application is now fully functional and available for your use in perusing and understanding the various inventories that represent business opportunities in advancing the bioeconomy by converting waste materials into bioenergy and other co-products. To access the database, click the link below, or copy and paste it in your browser.

<https://arcgis.com/apps/webappviewer/index.html?id=e4e4ae3e65304d3593a03819f3915ece>

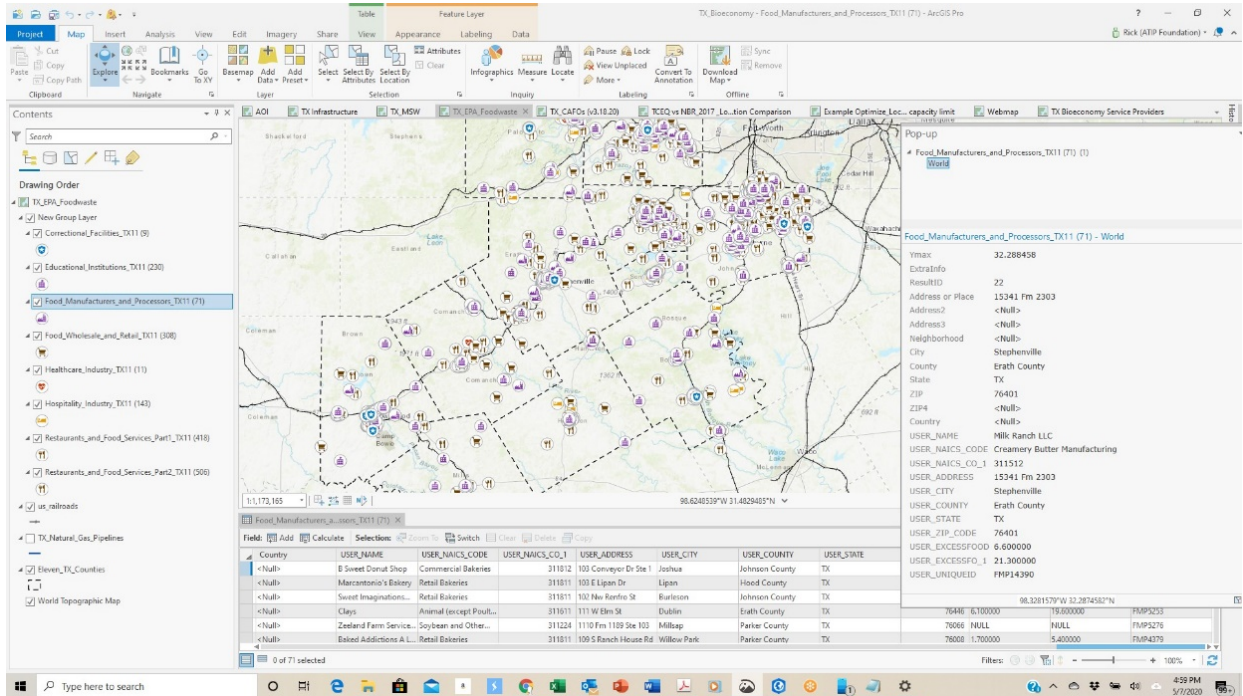
These ArcGIS Pro database layers include the farm/source-specific comprehensive inventory of animal wastes (daily tons per farm), woody biomass and sewage sludge (landfill and municipal utilities), EPA's food waste database that estimates (low and high volumes in tons/year) at each facility in the region under the categories of correctional facilities, educational institutions, food wholesaler and retailers, healthcare industry, hospitality industry, and restaurants and food service facilities. These data are presented in various configurations that we view as being profoundly useful to companies in evaluating opportunities for renewable fuel / biobased production from these wastes.

Below are representative screenshots from these geospatial databases, chosen to illustrate some of the resource inventories needed for businesses to engage in "advancing the bioeconomy." These include animal waste biomass, food waste biomass, service providers to the bioeconomy and local economic development authorities, and one illustration of a comprehensive map of resources for advancing the bioeconomy; all these categories and maps are in each of the three region-based databases.

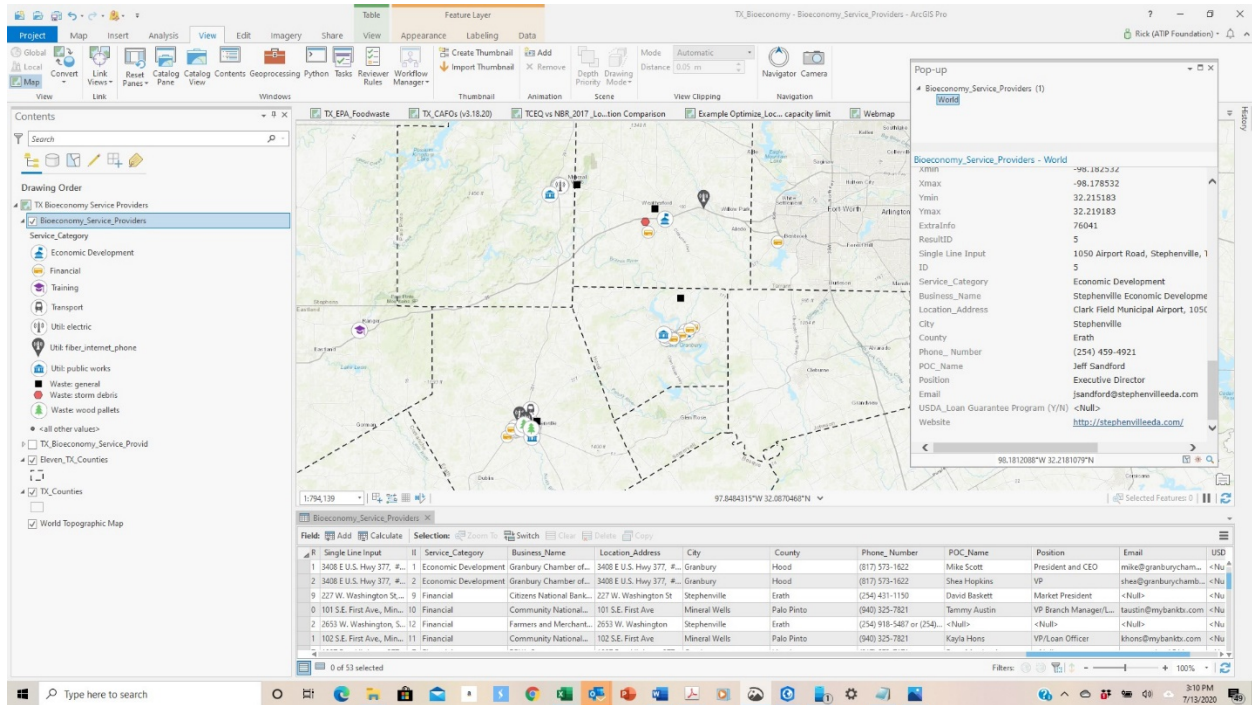




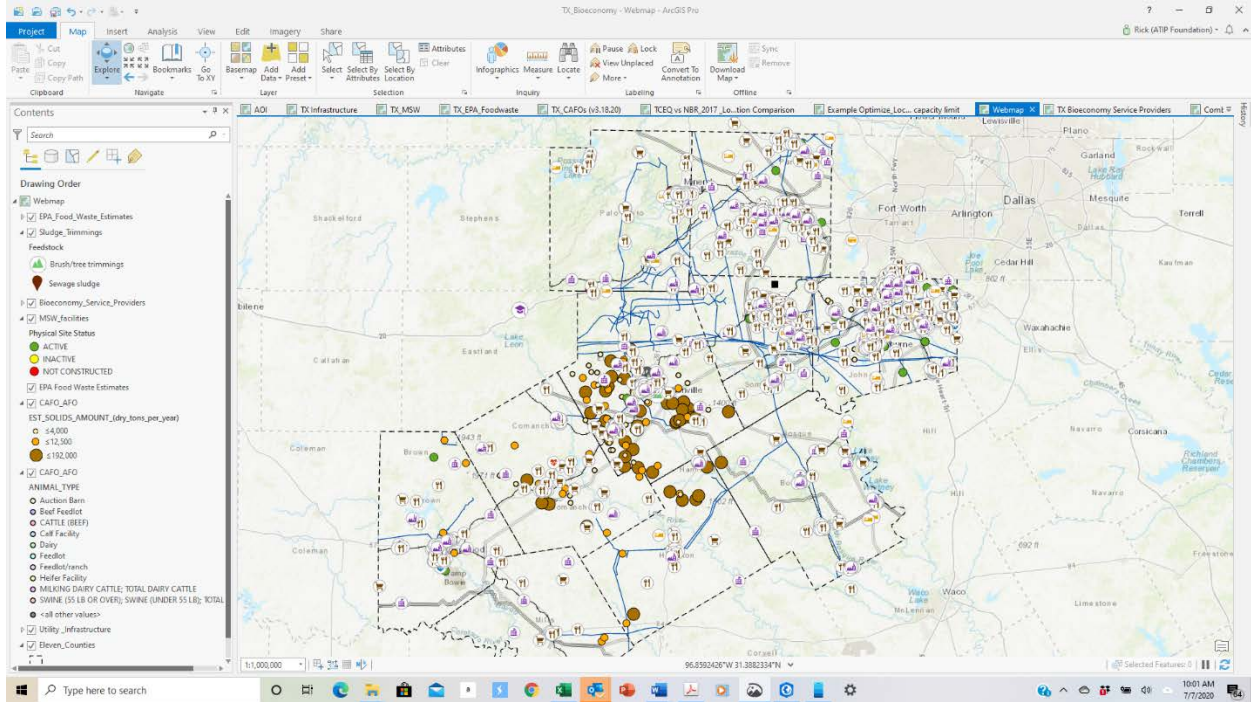
Geospatial inventory of biomass from animal production facilities in northcentral TX, showing theoretical optimal location for 3 manure processing facilities each with a reach of 15 miles. Natural gas pipelines shown in blue.



Geospatial inventory of estimates of food wastes in northcentral Texas, with pop-up box showing details on a single entry.



Northcentral TX bioeconomy service providers and Economic Development Organizations.



Geospatial webmap of “advancing the northcentral TX bioeconomy” showing compilation of data layers as described in Content pane to the left of the map.



## Dairy Industry Stakeholder Partnership Survey

Yes, we are interested in finding partners to buy our manure or to explore value-added revenue opportunities!

Farm Name: \_\_\_\_\_

Point of Contact at Operation: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: TX Zip code: \_\_\_\_\_

Email: \_\_\_\_\_

Phone: \_\_\_\_\_

Information on the Farming Operation:

Animal population:

Wet cows \_\_\_\_\_

Heifers \_\_\_\_\_

Dry cows \_\_\_\_\_

Check which applies:



Free Stall



Feedlot

Please respond by **November 25th**, if possible!

EMAIL to: [ashleigh@stephenvilleeda.com](mailto:ashleigh@stephenvilleeda.com)

CALL: Ashleigh, 254-459-4921