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# GREENFIELD JOHNSTOWN VHQ PROJECT REVIEW



#### Mission

Vision

**350** 

Unlock the potential of people, partnerships & nature to accelerate sustainable solutions for the health of the planet

Core Values

Integrity
Honesty
Respect
Commitment
Open to Change

Core Principles

Innovative Collaborative Agile Responsible Disciplined



- Greenfield is executing a project to allow for the production of Very High Quality Ethanol (VHQ).
- Very High Quality Ethanol is free of impurities and can be used in the following applications:
  - Sanitizers and cleaners
  - Pharmaceuticals Manufacturing
  - Medical grade applications
  - Food and beverage applications

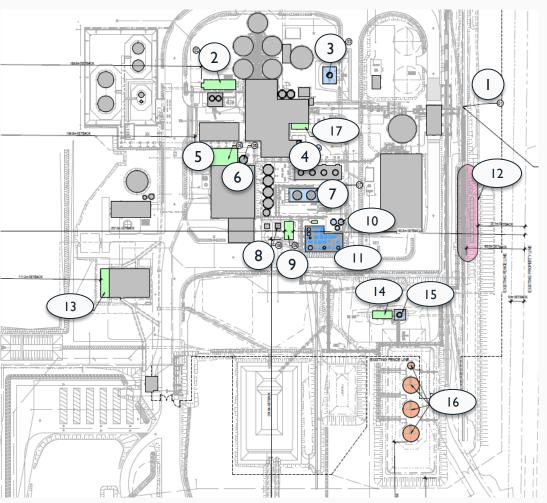


- ◆ The project will see our plant corn consumption and output remain the same.
- ◆ It represents a \$105M investment in the Greenfield Johnstown site.
- ◆ As a result of the complexity of the new process and supply chain we will be hiring 20 new employees.
- ◆ The rail and tank farm portions of the project is planned to commission in September 2021
- ◆ The remaining portion of the project is planned to commission in March of 2022.









#### Scope of work:

- ) Rail Expansion
- 2) Lunchroom /office
- 3) Aqueuous Ammonia System
- 4) Fusel Tank
- 5) Boiler Building
- 6) RO tank
- 7) Cooling Towers
- 8) New Transformer
- 9) Electrical Room
- 10) VHQ Alcohol Surge Tanks
- 11) VHQ Alcohol Unit
- 12) Rail Loading/Unloading and Spill Containment
- 13) Locker room expansion
- 14) VHQ Shipping Office
- 15) Denaturant Storage Tank
- 16) VHQ Storage Tanks & Spill Containment
- 17) Lab Expansion



- ◆ In summary, Greenfield is investing ~\$105 million in the VHQ project in Johnstown.
- We expect to hire 20 new employees.
- ◆ The project is planned to be fully operational by March 2022.



## **REFERENCES**



#### **VHQ Distillation Columns**

