

Make It Local And Easy To Get....always available 24/7. Green Ammonia, Green Hydrogen is key to clean energy future.

Update to our Green Play Ammonia subscribers.

“Cooling Planet Earth”
THE NEW ERA

Partner and user introduction to Green Play Ammonia using well-established techniques for improving the environment, crop yield, and financial returns

Green Play Ammonia™
Yielder® NFuel Energy

Exactrix® Global Systems
Proton Ventures



**In the first Decagon, Green Play Ammonia starts delivery at Pampa, Texas, Nov. 2024 and 10th plant will finish in 2026-27.
All estimates are in current dollars growing to 6 billion current dollars by 2040 with 2,000 total plants locally operated.**

The Second round of subscriptions for the first decagon or 9,000 tons green ammonia is available. This round will be open to 30 subscriptions and starts July 1 and closes Dec. 31, 2022.

The next 10 plant design, The Second Decagon starts in 2025 and next 10 or the Third Decagon starts in 2026.

Decagon 1.

Great Plains,

1. Canadian River Hills, Pampa, Texas,
2. Smokey Hill River, Burlington, Colorado,
3. Republican River Hills, Chester Nebraska.
4. Pawnee River Hills, Blair, Nebraska.
5. Missouri River Hills 1, Fort Randall Dam Nebraska
6. Missouri River Hills 2, Yankton, South Dakota,
7. Teddy Roosevelt River Hills, Chamberlain South Dakota,
8. Yellowstone Confluence Hills, Watford City North Dakota.

Pacific Northwest.

9. Port of Lewiston, Idaho, Clearwater Hills. Complex with Port of Wilma, Washington, Snake River.
10. Port Kelly Columbia River Hills, Wallula, Washington.

Green Play Ammonia sells to crop producers with Exactrix Equipment for \$100 to \$300 per ton for 7 years, adjustable.

Decagon 1, Total annual production is 36,000 tons of Zero Carbon, Green Play Ammonia per year at 10 locations that share production. A 50/50 split of the production, shows a 18,000 ton dedication of 50% Yielder NFuel with these pricing scenarios.

Green Energy Electricity for Recharge of Auto Batteries. A Yielder NFuel project of hydrogen fuel cell fueling and Green Electricity Charging station.

At the Green Energy Center, located at the plant which is local and close to your operations, Tanks, Engine, Batteries. \$500,000 additional investment for a Green Play Energy Center stand alone.

- We should be able to sell the ammonia for about \$800 to \$900 per ton to build hydrogen or green electrical energy for battery transfer.
- And fill-up for the electric vehicle at about 8 to 9 cent per KW at 9,000 tons per year at \$800 to \$900 per ton for a profitable energy center.

Green Ammonia, Yielder NFuel Energy for Heat and Process. Delivering to an energy intense business with their 30,000 gallon tanks at about 9,000 tons per year at \$800 to \$900 per ton.

Our current projections are based on an Opex of \$191 per ton inclusive to this number is the Capex costs \$100 per ton. Total cost of production is \$291 per ton for the first 10 plants.

The first 28 producers have subscribed for 9,738 tons primarily on the Great Plains, In the PNW 1% of the 9,738 tons or 102 tons has been subscribed.

Heat and Process Subscribers, The heat value in 1 ton of ammonia is 15.755 million BTU at 40,571 BTU per gallon at \$800 to \$900 per ton locally. The same or close to heat value in 1 ton of Propane at 91,542 BTU per gallon at \$3.05 to \$3.62 per gallon or \$1,482 to \$1,759 per ton locally. Remember, Zero Carbon Green NH₃ is non explosive. NH₃ heat and process is common in the steel industry.

Hydrogen Vehicles, H₂ sells for \$13.42 per Kilogram at the pump in California. There is 160 Kilograms in 1 ton of NH₃. A ton of NH₃ is thus worth \$2,153 at the pump. Then allowing for a 10% to 25% cracking loss. The NH₃ could be priced at \$1,937 to \$1,614 per ton. The problem is you need to have a similar scenario in Washington State where Green Play Ammonia is local. No change to the Grid required. National Security is improved.

Electric Vehicles, Green Zero Carbon NH₃ converted to Electric Energy at Green Play Ammonia has a cost of 4.5 cents per KW.

Green Play Ammonia is locally available at 9 cents per KW at a Green Energy Fueling Station. In Comparison the market price is 30 to 60 cents per KW at an electric vehicle fueling stop. The fueling stop for KW will not most likely be Green KW. Using the Grid to fuel cars will require a major grid expansion. Green Play Ammonia and Electric Fueling is built locally and has powerful environmental advantages. National Security is improved and no change to the Grid is required locally.

Where the Cash Flow going?

- Each plant produces 10 tons per day for 360 days or 3,600 tons per year.
- The Decagon Design, 10 plants producing 36,000 tons per year. Gross Receipts 18,000 tons at \$500 is **\$9.0 million**.
- Yelder N Fuel Heat in Process to NH3 storage tanks. 9,000 tons at \$800 to \$900 or **\$8.1 million**
- Yelder N Fuel Electrical charge, 9,000 tons at \$900 or **\$8.1 million**
- Total \$25.2 million for Green Energy per decagon for 36,000 tons annually averaging \$700 per ton.
- Total \$10 million for equipment sales of Flexing Mustang Tool Bars and adaptations to other tool bars the meet GHG requirements.
- Total \$5 million in ammonia engine sales and service and service parts and support, trucking etc.
- **Total \$40.2 million annual cash sales per 180 million guaranteed debt with equity input of \$100 million.**

“This Green Play Ammonia company can build on its own profits and at 800 to 1,000 plants by 2032 it becomes self-funding.” GJS

Note 1: The July 2020 subscription agreement states that our original 28 subscribers receive an adjustment in pricing of \$100 to \$300 per ton which is adjusted every 12 months for 5, 6 or 7 years. The actual cost of ammonia for the original 28 will not exceed \$300 per ton. The lowest cost is \$100 per ton.

Note 2: The subscriptions agreement for the second round in Decagon 1 or about 30 subscribers has a pricing adjustment range of \$100 to \$500 per ton which is adjusted every 12 months for 5, 6 or 7 years. The actual cost of ammonia for these 30 subscribers will not exceed \$500 per ton to \$100 min.

Note 3. Off Take volumes can be adjusted each year as rotations change or farms grow and shrink. The product green play ammonia must remain in fungible condition (no intermixing with grey or blue ammonia) if producers need to sell back their ammonia.

Note 4. NH3 Storage tanks on farm are critical to every producers success. Portable storage tanks are also available.

Note 5. Yelder® NFuel is not to be confused with Green Play Ammonia™. The marketing plan, Industrial/Recharge Fueling Green Energy Centers have a different breakeven point and not to be confused with crop production Green Ammonia which is designed to improve land values at a much more rapid rate.

Note 6. \$100 per ton Green Play Ammonia at 82.4% N is budgeted at 6.1 cent N. All Exactrix TAPPKTS plus Zinc applicators apply at .5 to .7 of the University recommendation due to uniformity and deep band placement.

Inside the Decagon. Each plant of 10 plants requires \$40 million investment, Land acquisition, Installation of three windmills, Installation of 23 acres of solar panels. 10 ton per day Haber Bosch Casale Ammonia Reactor, Electric Switch Gear, Balance Engines, two Caterpillar 1 Mega Watt Engines with Ammonia Crackers, or a 100 year time proven design, pumped hydro storage for plant balance, Lowest GHG, IP No-tillage Canola Oil and Canola storage, Buildings, Fence, 720,000 gallons on site storage as NH3 ASME tanks, Low GHG Emission Steel, , Pavement made with Green Ammonia and Green Hydrogen, Office and Computers. Delivery trucks operating on Green Ammonia and Green Hydrogen, scales, Mustang Tool Bars, Trailers, Tank Carts.

The Total investment for 10 plants,

There is \$400 million debt and equity, USDA and DOE grants \$120 million, Guarantee Debt \$180 million, Equity \$100 million.

Interest expense at 5% on \$180 million or \$9 million dollars interest expense.

A long note with a Federal Guarantee, 30 year payback. \$6 million per year.

What about equity investment? Yes it is coming.

What is the payroll like? Payroll 50 personnel at plants and Tech Center Control at \$80,000 to \$95,000 full benefits, \$4 million.

What about other costs? Insurance, Overhead, Maintenance, Unexplained Failure, Weather Problems, \$4 million.

Total operating expense 21 to 23 million dollars annually.

Net profit 17 million dollars per Decagon Green Play plant design.

Carbon Credits are not considered in the calculations?

“Your Off Take Agreements are being prepared. “

You can learn more at www.greenplayammonia.com

GJS

The Big N, Exactrix Changes NH3



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