

April 12, 2012

Senator Chuck Grassley
31705 West Brook Street
Cedar Falls, Iowa 50613

Dear Senator Grassley –

Thank you for stopping at my home in Ackley last month. I truly enjoyed our conversation, as I have every time we've met over the many years of your service to the state of Iowa.

You asked me to provide you with materials I had about my idea for hydroelectric power generation. You will find included the Letter to the Editor that was published in the Des Moines Register on May 13 of 2009, as well as two photos of a mockup barge with generators that I built.

If you have any questions about my idea or the photos of the model, please don't hesitate to call me. And please let me know if this idea sparks any conversation about furthering hydroelectric power in Iowa. It is a topic about which I am passionate.

Thank you for your time.

A handwritten signature in cursive script that reads "Virgil Vanderloo".

Virgil Vanderloo
1201 Cerro Gordo Ave
Ackley, Iowa 50601
641-847-2858

Hydroelectric Power Proposal: Model of a river barge with generators

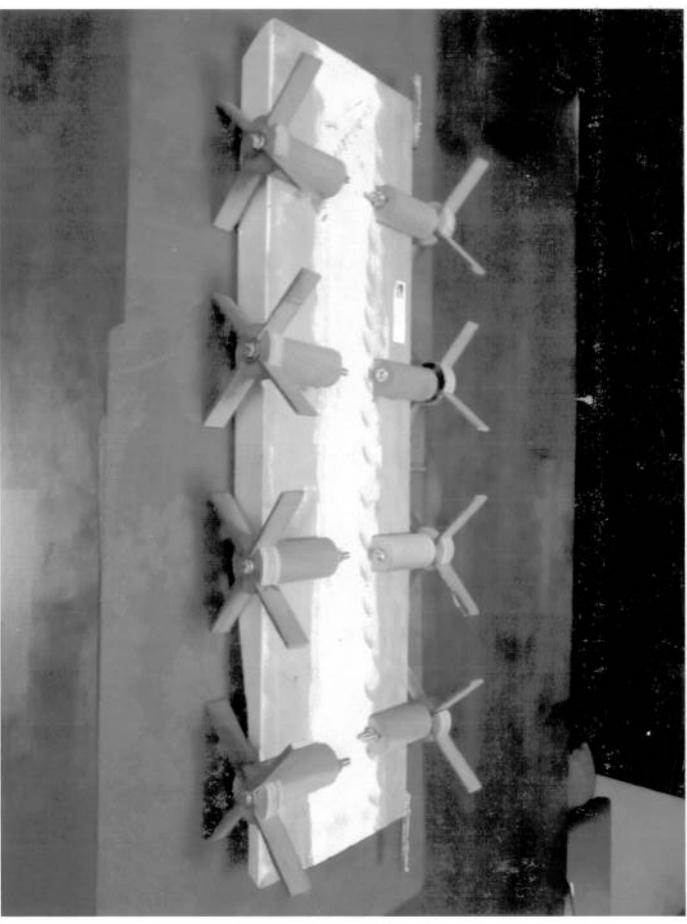
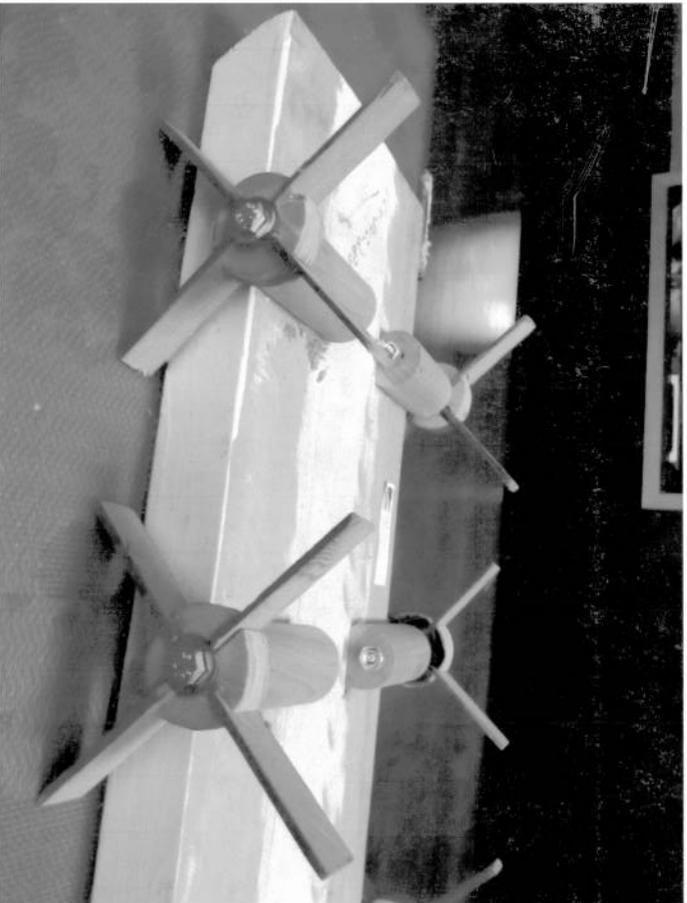
Proposed by

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On the Mississippi River, between Minneapolis and New Orleans, there are almost 30 dams. Imagine barges immediately below these dams fitted with water turbines to produce electricity. These barges could be cabled to the existing dams or held in place by pilings. As the river does not freeze until about 150 yards below the dam, these barges could be viable sources of energy throughout the year.