



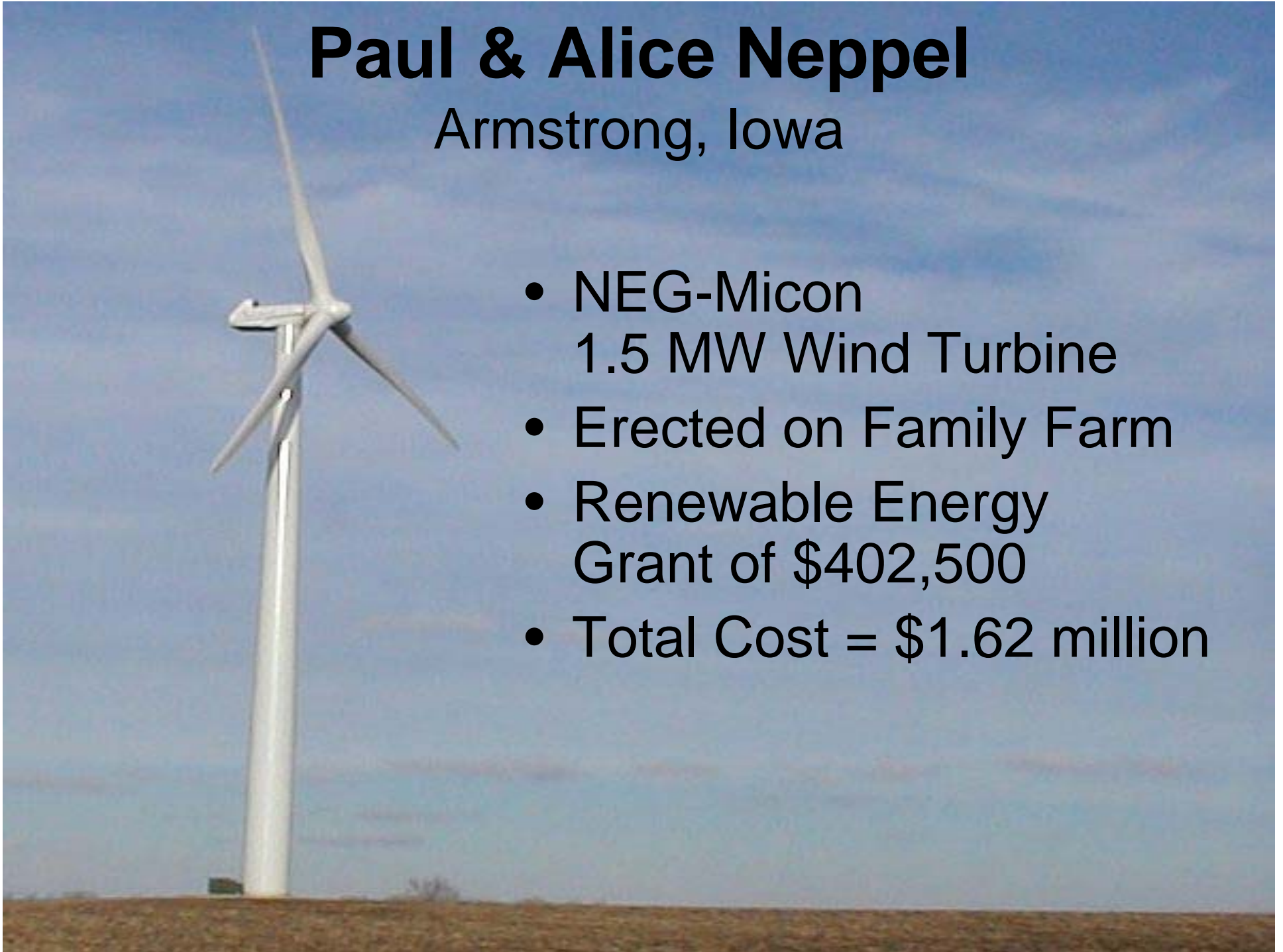
Committed to the future
of rural communities.



Paul & Alice Neppel

Armstrong, Iowa

- NEG-Micon
1.5 MW Wind Turbine
- Erected on Family Farm
- Renewable Energy
Grant of \$402,500
- Total Cost = \$1.62 million



CHALLENGES

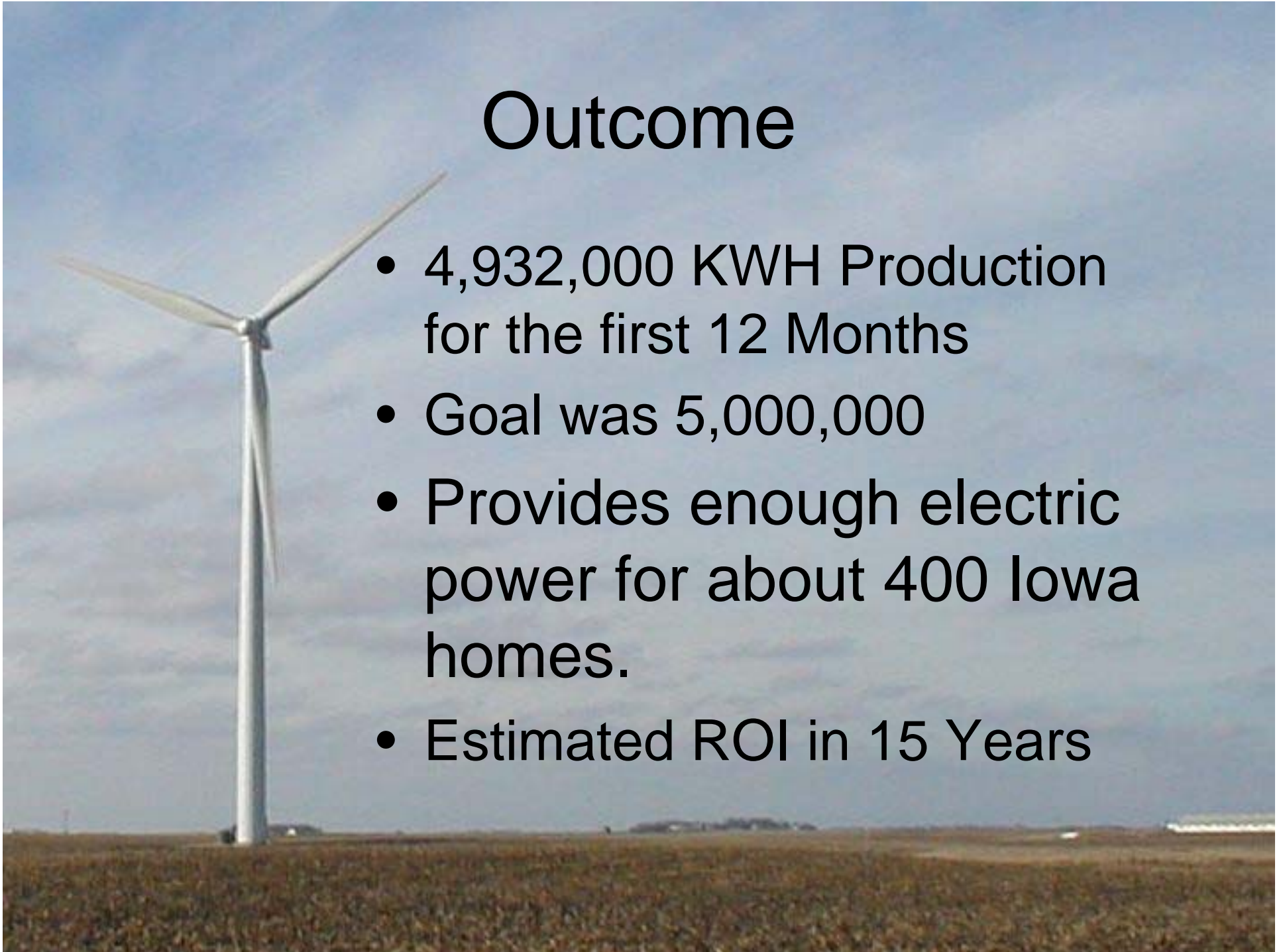
- Interconnection Agreement
- Foundation
- Received wrong size hub
(Was reimbursed for lost production)
- Some Interruptions the 1st Year

Avoid challenges by getting
a first class contractor



Outcome

- 4,932,000 KWH Production for the first 12 Months
- Goal was 5,000,000
- Provides enough electric power for about 400 Iowa homes.
- Estimated ROI in 15 Years



Working Relationships



- Professional Grant Writer
- USDA Rural Development Staff
- Attended Local Outreach Meeting
- Tom Wind – Wind Consulting
- Alliant Energy
- Contractor
- Banker
- Iowa Energy Center

Lessons Learned

- Power Purchase Agreement 1st
- Interconnection Agreement
- Keep Banker Informed
- Warranty & Maintenance Contract
- Utilize USDA Rural Development Renewable Energy Program



Positive Impacts

- Every Kilowatt goes in Local Grid
- Local workers are hired to maintain the turbine
- Area College put up a Turbine & Offers a Maintenance Course
- Reduced reliance on Foreign Oil
- Created Interest in others to put up their own Wind Turbines.

