Sustainable Year Round Agriculture and Technology
E2-Tech Expo
10-1-15
Year Round Greenhouses
Optimizing for Northern US

- **Greenhouse Design Goals**
  - Controlled Environment System
    - Protection from pests, weather, draught, frost, cold
    - 7-10 x Higher Yields

- **Local Requirements**
  - Strong structure
  - Lower Heating Load by 75%
  - Incorporate Renewables
Interior View

- In ground raised beds
- Thermal Heat Storage
- LED lighting
- Automated Irrigation
- Innovative Wood Kiln
3,600 s.f.
40,000 kwh of annual electricity

Roof Integrated PV
Dual Revenue Streams
There has never been a better time than now!

• Farmers Benefit
• Communities Benefit
• Environment Benefits
• Investors Benefit