Generational Sustainability

J.R. Simplot Company

Sustainable Simplot™

Generational Sustainability

C.A.R.E. About Safety

Generational Sustainability

Sustainable Simplot

Paul Zane Pilzer

Wealth = Natural Resources x Technology

- Feeding the World in a *Sustainable* Way
- Energy/Greenhouse Gases
- Water
- Landscapes
- Communities

Feeding the World in a *Sustainable* Way

Feeding the World in a *Sustainable* Way

- Precision agriculture is a combination of activities
  - Satellite based auto guidance
  - Yield monitoring and mapping
  - Site specific management of soil
  - Variable rate application
  - Controlling an irrigation pivot with an iPad from across the world

Simplot Smartfarm Precision Agriculture

reduce water use.
lower ghg emissions.
nutrients focused on crop growth (not resulting in run-off).
pesticide reduction potential.

Energy Goals

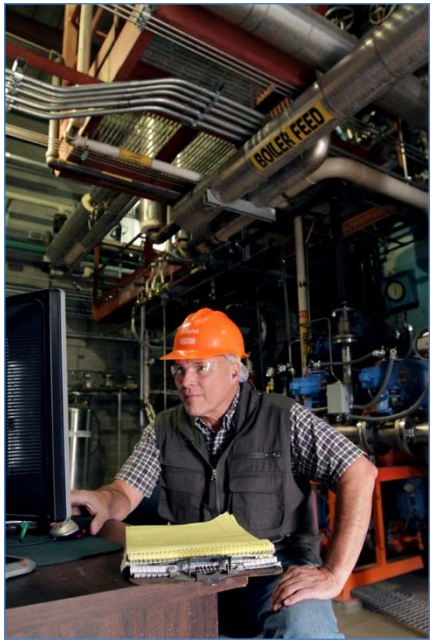
Reduce Energy Intensity 25% in 10 years

Energy/GHG

Moses Lake Project

Wastewater treatment improvements.
Generated verifiable ghg credits.
Provide bio-fuel for boiler.

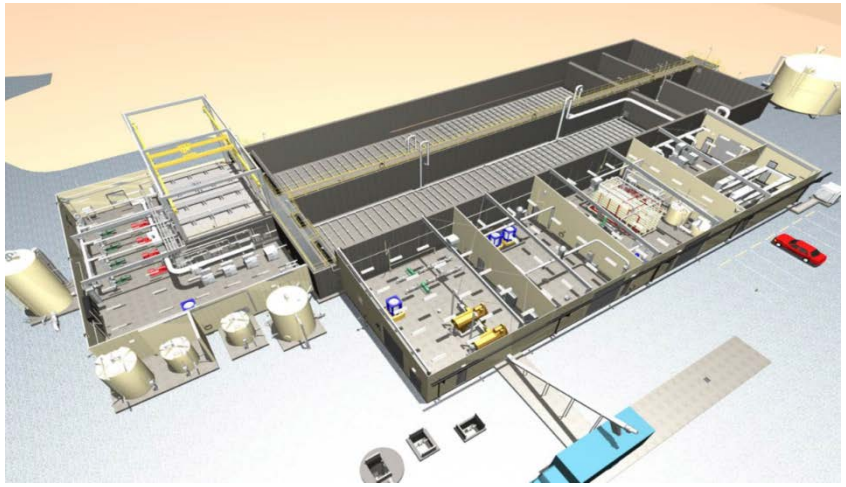
Energy intensity reduction goal of 25% in 10 years.



Achievement of 25x10 Energy Savings

- Rivergate – 44 percent
- Helm – 32 percent
- Overton – 32 percent
- Kelso Plant – 32 percent
- Grand Forks Plant – 31 percent
- Grand View Feed Lot – 29 percent
- Idaho Plant – 27 percent
- IT Irving Street – 25 percent

Water



New potato processing plant in Caldwell employs state of the art wastewater treatment; significant quantities of water will be treated to exceed drinking water standards so can be re-used.

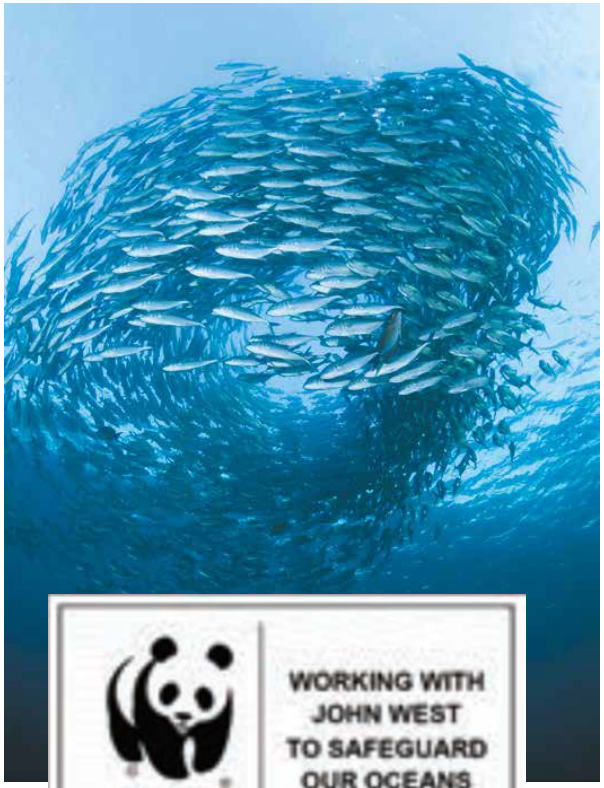
Land application is used at many facilities to take treated wastewater and utilize for irrigation.

Land base for such systems is designed to match water and nutrient loading.

Pocatello Don Plant

- 1.14 billion gallons freshwater savings
  - 11,400 homes for one year (100,000 gallons/household/year)

Landscapes



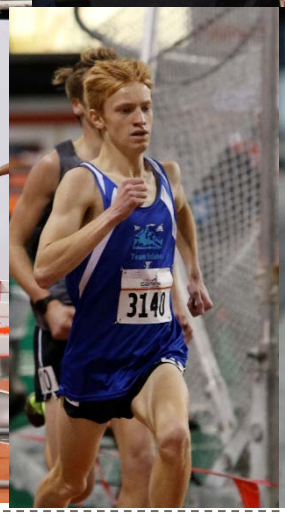
UPPER BLACKFOOT CONFLUENCE
A CONSERVATION PARTNERSHIP

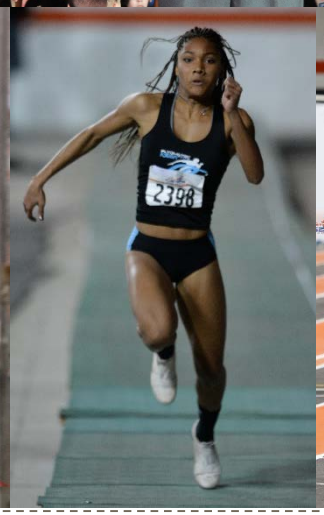
People & Communities

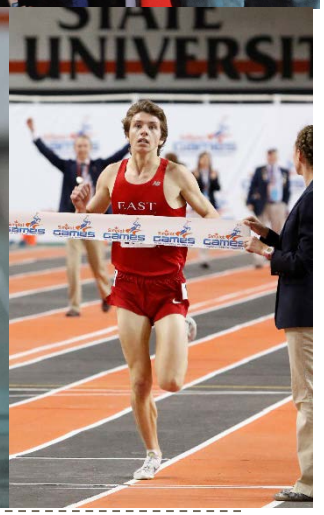
C.A.R.E. About Safety

Simplot Games

39 years







Sustainable Simplot
Leadership in Respect for Resources
"Environmental Performance Today Affects Our Business Tomorrow"