

Costs associated with a water recycling system

Startup costs

- Design costs
- Obtaining licenses and permits
- Labor costs including professional services and opportunity costs
- Equipment costs
- Land improvement costs
- Backup systems in case of system failure

Ongoing costs

- Risk of waterborne pathogens remains greater than zero
- Engineering lapse schedule to replace components over time
- Maintenance and repairs
- Labor including opportunity costs
- Cost of chemicals and supplies
- Energy use for pumping, UV, etc.
- Monitoring costs

Benefits associated with a water recycling system

Potentially measurable

- Reduced water supply costs
- Save cost of drilling new wells
- Reduced need to buy fertilizer
- Reduced labor to apply fertilizer
- Water storage to handle drought
- Ability to reap sales benefits through green marketing
- *All benefits to the physical environment*

More “intangible”

- Personal utility from doing the right thing
- Ability to lead in the community
- Better understanding of the business; better management processes as a result of one goal-oriented analytical exercise