

GROUP 4: “ENERGIZED BUT THIRSTY”

Scarce water/plentiful energy

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Indicators for scarce/expensive water:

- Infrastructure continues to collapse
- Less agriculture and food produced – more imports
- Different foods available (imported)
- Potentially less public participation – decisions made by techno experts
- Water rates go up
- Fewer traditional cultures
- Hotter, drier, more fires
- Fewer trees; less vegetation; less green

[more detail]

- The acequias change from dirt ditches to pipes etc.
- Less local recharge of aquifer
- Regional variation
- Water very expensive
- Extreme conservation measures
- New allocations – agriculture to municipalities
- Huge impact on traditional cultures
- Less vegetation
- More run-off
- Compact/constitutions not changed
- Hotter dryer/more fires
- More water capture
- More pollution
- Large scale diversion projects
- Fewer arid LID
- Less in stream flow in rivers
- Shift to high value crops
- More desalination
- More reclamation of oil and gas water
- Less growth in population
- Individual behavioral changes – compost toilets, etc.
- City are more of a heat island
- Decrease in population
- More xeriscaping
- Capitalism still equates with growth

Indicators for plentiful/cheap energy

- Robust energy portfolio for renewable energy
- More solar

- Better at storing energy
- Assert Monroe Document
- Develop more domestic energy
- New batteries
- New technologies solve energy problem
- New transmission technology
- Rare earth element projects
- Increase efficiencies in capturing water
- Decentralize systems
- Wind, biofuels, geothermal;
- Moving water
- More imports of agriculture
- More high value crops
- Water becomes the new gold, controlled by power brokers

What does the 2025 world look like:

- Municipalities have priority:
 - water reallocated to cities from other uses
 - water moved from other locations
- Desalination
- More reuse
- Water rates up
- Scarcity equation changes
- Can sell energy for water
- Increased efficiencies
- More Conflict
- More Social Disruption

[more detail]

- Develop an alternative to water
- Water price reflects real cost
- Decrease in cultural values
- More conflicts
- More lawyers
- Hopes for a water authority with real teeth for region
- Admit that adjudication in Rio Grande does not work
- Finally find out how much water is really available

Headlines along the way from present to 2025:

- Infrastructure is continuing to fall apart
- Renewable incentives increase
- Desalination Industry Arrives
- Water rates up
- Climate Change is Real

- Individuals reflect and take personal responsibility
- IPOD Sales up
- People Still not thinking
- Need more education, need an informed democracy
- Youth finally thinking
- EPA loses more teeth
- EPA passes more regulations that don't work
- Rice is our new crop – the reason we are water short now
- Still no money for infrastructure
- Air Force fuel in aquifer
- NM finds new energy source
- Beginning to have active resource management
- The Middle speaks
- Reason starts to rule
- Water mandates with teeth
- Funding for Science and Technology Cut
- NSF disappears
- Governed by experts but citizens are marginalized
- Engage differences
- Institutional players must face reality and become involved in dialogue
- Increase children's education on the importance of conservation
- Tax incentives for water harvesting
- Dual use of water in homes
- Support civil society institutions
- Drink more wine