DELTA BRICK & CLIMATE COMPANY

Christopher M. Caskey

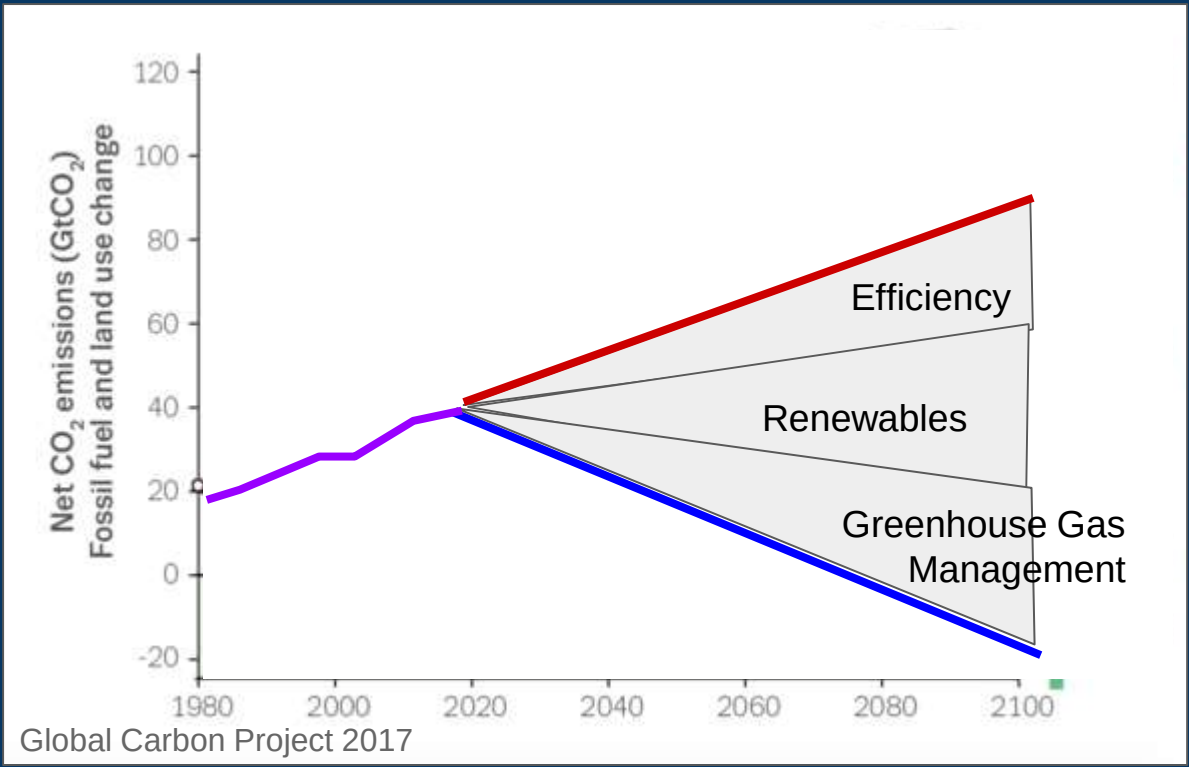
MY JOURNEY

NATIONAL RENEWABLE ENERGY LABORATORY

COLORADO SCHOOL OF MINES

Geochemistry for carbon dioxide capture and storage

CLIMATE CHALLENGE



CLIMATE CHALLENGE TO AGRICULTURE

More precipitation as rain rather than snow
Earlier snowpack melting
Longer, hotter irrigation season

Need reliable water storage

PAONIA RESERVOIR SEDIMENT

Ceramics

=

Clay + Heat

Harming irrigation resilience

PAONIA RESERVOIR SEDIMENT -- CLAY

usbr.gov

COAL MINE METHANE

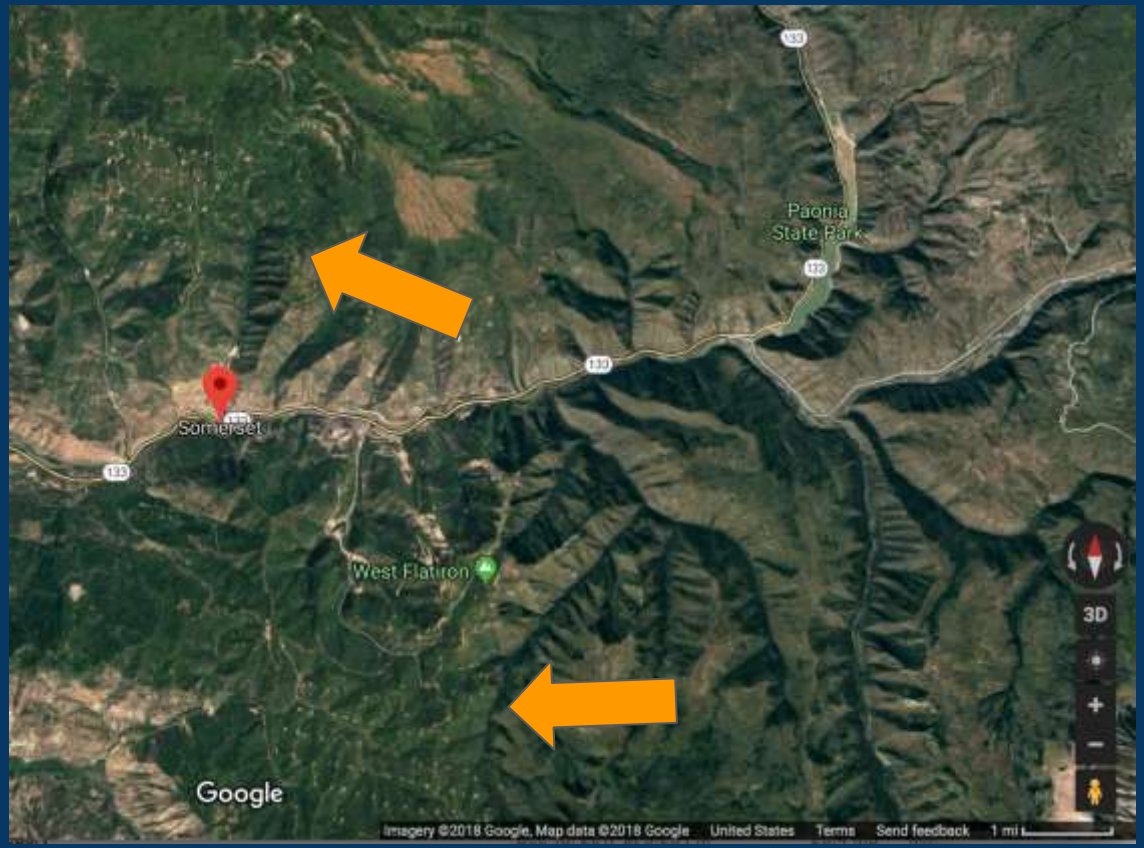
Ceramics

=

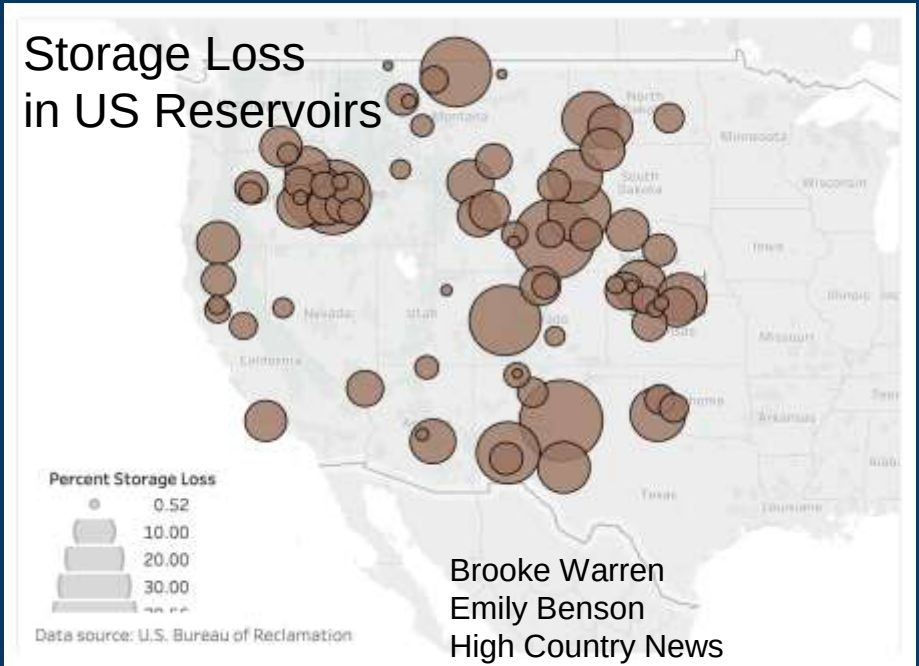
Clay + Heat

Strong greenhouse gas

High-quality heat source



LEADERSHIP OPPORTUNITY



PRODUCTS

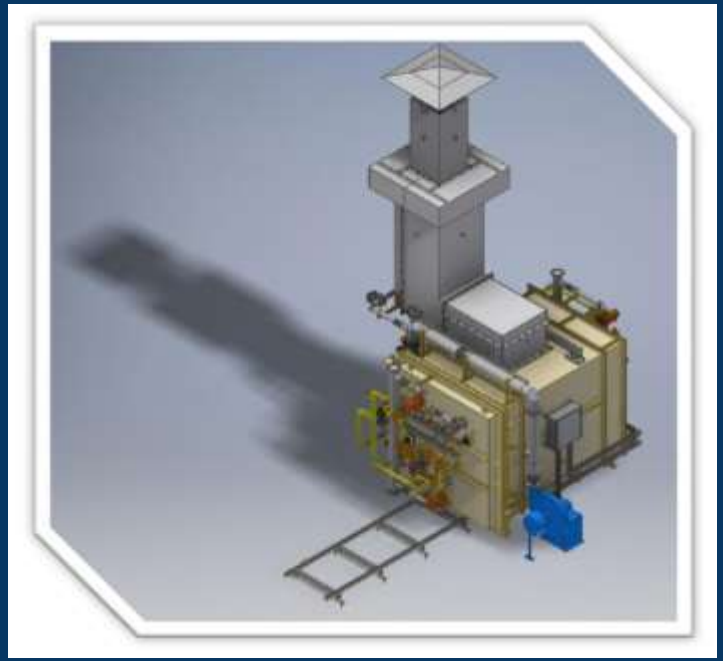
- Pavers
- Tile
- Greenhouse gas offsets
- Cladding
- Brick
- Artistic elements

PROGRESS


Somerset
West Flatiron
Google
3D
Imagery ©2018 Google, Map data ©2018 Google
United States
Terms
Send feedback
1 mi

NEXT STEPS

- Pilot Plant Design
- Permits
- Grant and Private Funding



SUMMARY

Opportunity for leadership

Greenhouse gas management

Irrigation resilience

Proven concept

Accruing funding, permits, partners

Thanks to Gunnison County, Delta County, and DOLA for support so far

THANK YOU!

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