

DOCKETED

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Bill Leighty Comment re Disadvantaged Communities meeting 16 June 23

Three novel technology, strategy, and policy options for low-cost, low-Earth-impact quality-of-life improvements:

1. Low-cost, low-Earth-impact, thin-shell concrete structures for housing and other small buildings:

<https://vimeo.com/828631285> May 16-18, 2023. Smart Cities, Denver
<https://vimeo.com/758580425> Thin-shell Concrete Quasi-spherical Buildings for Durable, Low-cost, Low-impact Shelter, Volume Production
www.AlaskaAppliedSciences.com/thin-shell-concrete-structures

Our small company, Alaska Applied Sciences, Inc. now needs \$ 600,000 investment to scale-up our successful proof-of-concept, scale model work in Juneau, AK to human-useful scale, for further design, testing, and demonstration.

2. "CarFree" cities, "torus" or "donuts" of novel transit-oriented development (TOD) imposed upon the low-density regions of cities -- especially in USA -- which is generally most of the total urbanized area:

<https://vimeo.com/373679728> Designing "CarFree" Cities to Welcome Millions Fleeing Rapid Sea Level Rise, Within a Few Decades

3. Energy autonomy via "clean", GHG-emission-free, on-site harvest and delivery of Deep Hot Dry Rock Geothermal (DHDRG) energy, which is generally ubiquitous on Earth, as electricity and / or hydrogen and / or hot water for DHCS. The O&G industry is "pivoting" to develop the enabling technology by which DAC's, and everyone worldwide, may bore "deep enough, cheap enough" to profitably produce DHDRG, the ultimate in Distributed Energy Resources (DER) because of its ubiquity: "geothermal anywhere", thus hydrogen anywhere:

<http://www.leightyfoundation.org/wp-content/uploads/Bill.Leighty.4Aug-Dilemma-13Jul21.pdf>