

Picture 1: Evel Knievel jumps 14 Greyhound buses at Kings Island, October 25, 1975. His longest jump ever.



“The most spectacular jump of the motorcycle daredevil’s career occurred at Kings Island in Cincinnati. See the video. [https://www.youtube.com/watch?v=t44XC8UiQS8.](https://www.youtube.com/watch?v=t44XC8UiQS8)”

History shows that while Evel was indeed a risk taker, he was also a meticulous planner. Before you leap preparation is key. *Ecostratum Insights* offers a concise summary of what is coming in in the real estate, building management and healthcare industries.

Top 7 Healthcare Trends

1. Blue “life sciences - genetics” replaces Green “ecoconservation”
2. Genetic predisposition & prevention supersedes surgery.
3. Competition between hospitals accelerates – patients win
4. Healthcare adopts a hospitality business model and succeeds
5. Payment for services tied to outcomes is reworked under CMS
6. Rise in regional services as patients opt for local convenience
7. Homecare supported by HIPAA privacy and electronic exchange

Carbon Economics is over! Don’t bother with the Paris Agreement, Arabian Peninsula petro-politics and Appalachian coal jobs, national security is energy security and will “TRUMP” increased regulation of greenhouse gases. See the original Paris Agreement link below:
<https://unfccc.int/resource/docs/2015/cop21/eng/l09.pdf>

Picture 2: Ryan Zinke, freshman representative and former Navy Seal commander, is President Elect Trump’s candidate for Secretary of Interior. He replaces Sally Jewell, former REI CEO and Mobil Oil engineer.



“Fully 80% of EPA code is directed at the petroleum industry. Problems ahead? EHS Directors take note: the EPA Director is not a cabinet level position, but instead reports thru the Secretary of Interior show above. Policy on fossil fuels will now be tied to National Defense Interests, not earth sciences.”

This may be difficult to grasp, but the link between petro-pollution and EPA regulation will be broken soon. Note that energy technology and politics will not be kind to ecoconservation. Ecostratum prediction: **The US will embrace the fossil fuel energy economy for the next couple of decades and hustle it to an early closure.** Petro-economics along with environmental conservation will be forced into submission as irrelevant and subservient to National Defense. The good news here is that investment in dirty industry will continue to increase. Ecostratum will be making the business case for managing this transition – which simply means figuring out how to adapt current regulation, and upcoming deregulation, into alignment with profits in ways not yet imagined.

Environmental Engineering Highlights



Nanostructures (Small is Really Big)

The key advantage of nano is the enormous surface area. This feature imparts unmatched physical properties to the structure. Several industry uses are listed below:

1. Nanofilms on stents to prevent patient infection and rejection
2. Nano tracers on smart drugs improve medicine delivery
3. Lighter, stronger, more energy efficient metal and plastic used in aerospace and automotive.

SOLAR Finance 101 – What is an SREC Worth!

A Solar Renewable Energy Certificate (SREC) takes advantage of the requirement that State’s utilities must produce solar power each year. A typical home with photovoltaic (PV) could earn 6 SREC/yr. worth \$250/ea. (Ohio Rate). But, note prices are mandated to decline \$25/yr. until 2024. Early adopters are rewarded.

“A Higher Level of Thinking”. Technical developments are presented with a business case underpinning. Contact Steve Rucker at srucker@ecostratum.com

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