Dear Secretary Koonin,

You have asked for feedback about RFI Quadrennial Technology Review Framing Document.

As an educator and researcher of 50 years in the energy areas of Chemical Engineering, my response is that the draft QTR Strategic Plan is an outstanding beginning to sensibly address this enormous challenge facing all of humanity. Adequate useful energy is essential for the quality of life and sustainable environment that all humans desire, and which current and future technologies can provide.

We already know some of the pernicious and destructive consequences of unwise and default decisions about energy issues. Without immediate and decisive action, these effects will only grow. The traps of contemporary political and emotional pressures to expect quick fixes, appeal to irrational instincts, and unnecessarily feed personal profit, must be avoided.

Now is the time to invoke higher levels of wisdom and knowledge to invest in effective programs and develop a sustainable social culture about energy. The QTR comes at a propitious moment, and at a high enough level, to make a major impact on leadership. We must take advantage of this special opportunity!

Thus, I applaud your approach and appreciate DOE's commitment and effort for society's benefit.

If your team would like more details of my views about the QTR, I would be happy to provide them.

John P. O'Connell, FAIChE
Harry David Forsyth Professor of Chemical Engineering
University of Virginia
1940 Tremont Road
Charlottesville, VA 22911-8631
http://www.che.virginia.edu/people/faculty/oconnell.php