

Going Green by Using Glass and Air to Reduce Carbon

Since our last edition of *The Telecommunications Review*, Noblis has developed *Operation Green*, a Web-based service that allows information-based enterprises to calculate their carbon footprint. These information-based enterprises are primarily professional services firms, government agencies, and other services companies employing primarily knowledge workers. Not surprisingly, our initial results show that a large contribution of these enterprises to the carbon footprint originates with their employees' daily commute to and from the office.

Over the last two decades, many of my Noblis colleagues have developed solutions to the global energy challenge using coal-to-liquids, biofuels, and other alternative technologies. Interestingly enough, the authors and readers of *The Telecommunications Review*, during that same period, have also developed solutions to reduce the global consumption of oil. The technology and market advancements of the telecommunications community represent a clear potential for reducing the number of miles traveled and, hence, the amount of oil consumed and carbon produced. With the new technologies developed, and the open, competitive markets put in place, getting to the office is no longer a requirement for employees of information-based enterprises. Fiber- and wireless-based services enable knowledge workers to be fully productive regardless of their location.

In this edition of *The Telecommunications Review*, editors John Leigh and Tom Fowler again explore a broad range of relevant topics in the telecommunications and networking community. The papers presented contribute to our community's ability to meet the nation's telecommunications needs and, as a result, reduce the carbon discharged into the environment.

Enjoy this nineteenth edition of *The Telecommunications Review*, which like *Operation Green*, is available online at noblis.org.



H. Gilbert Miller, Ph.D.
Corporate Vice President and Chief Technology Officer
hgmiller@noblis.org