

At A Glance

## Spectrum Auctions Experience

### Overview

NERA's auctions team has unmatched experience providing advice on auctions cutting across a wide array of industries, including communications, energy, transportation, and finance. We have been involved in radio spectrum auctions since they first began in the 1990s, advising governments or bidders in countries around the world, working across many frequency bands and all spectrum auction formats. We offer advice on all stages of the award process, and can also provide full service solutions for designing and implementing auctions, or running bid teams.

### Our Capabilities

NERA's experts understand how to negotiate the broad range of auction formats and the widely varied bidding rules used for spectrum awards. We can interpret information about the frequencies available, local market demand, candidate technologies, interference conditions, and public policy objectives in order to identify the right auction format and rules for each occasion. We have direct experience with all auction formats, from both a government and bidder perspective, including sealed bids, simultaneous multiple round auctions (SMRAs), clock auctions, and combinatorial formats, such as the combinatorial clock auction (CCA). Our broad experience and deep expertise make us exceptionally qualified for drafting regulatory submissions on auctions, and reviewing auction outcomes from regulatory and competition perspectives.

### Key Areas of Expertise

NERA offers support on auction design and bid strategy in all frequency bands. In particular, our consultants have recently been active in the following bands:

- Digital dividend spectrum, including incentive auctions for possible reallocation of spectrum from television to new uses;
- Bands targeted for next generation wireless broadband services, such as LTE, including the 700MHz, 800MHz and 2.5GHz/2.6GHz;
- Other mobile telephony bands, such as 2G, 3G, PCS, and AWS bands, including advice on procedures for re-farming spectrum for next-generation technologies; and
- Higher frequency bands, such as 26GHz and 40GHz, suitable for point-to-point and point-to-multipoint services.

Our advice is grounded in a thorough understanding of the services that can be deployed using different frequency bands, and the challenge of managing interference both within and across frequency bands, and at national borders. Our extended network includes legal, engineering, technology, and software specialists, whose expertise complements our focus on economics and enables us to provide a full range of services for all types of spectrum awards.

## About NERA

NERA Economic Consulting ([www.nera.com](http://www.nera.com)) is a global firm of experts dedicated to applying economic, finance, and quantitative principles to complex business and legal challenges. For over half a century, NERA's economists have been creating strategies, studies, reports, expert testimony, and policy recommendations for government authorities and the world's leading law firms and corporations. We bring academic rigor, objectivity, and real world industry experience to bear on issues arising from competition, regulation, public policy, strategy, finance, and litigation.

NERA's clients value our ability to apply and communicate state-of-the-art approaches clearly and convincingly, our commitment to deliver unbiased findings, and our reputation for quality and independence. Our clients rely on the integrity and skills of our unparalleled team of economists and other experts backed by the resources and reliability of one of the world's largest economic consultancies. With its main office in New York City, NERA serves clients from more than 20 offices across North America, Europe, and Asia Pacific.

## Contact

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