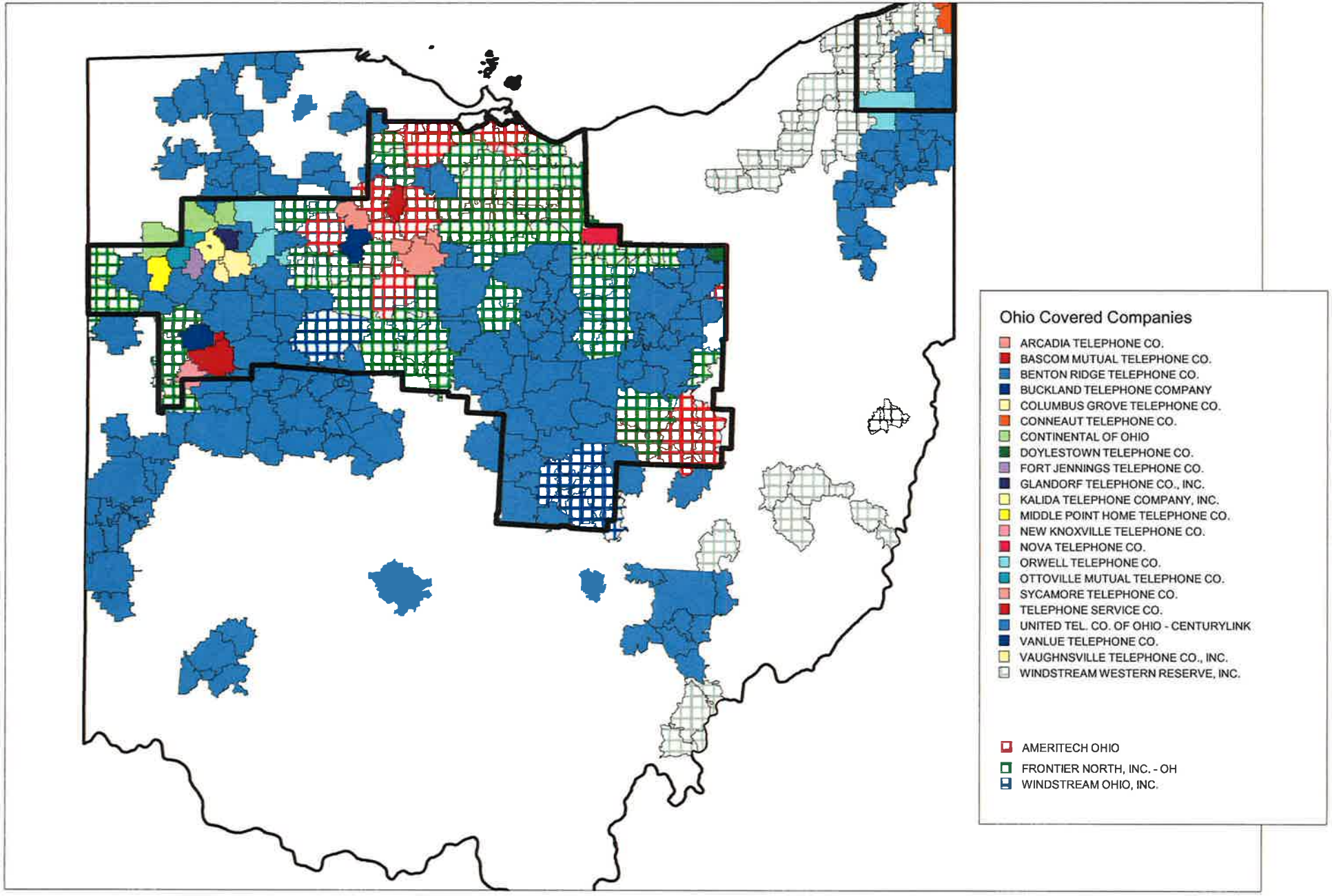OH Rate Centers by Carrier