Appendix

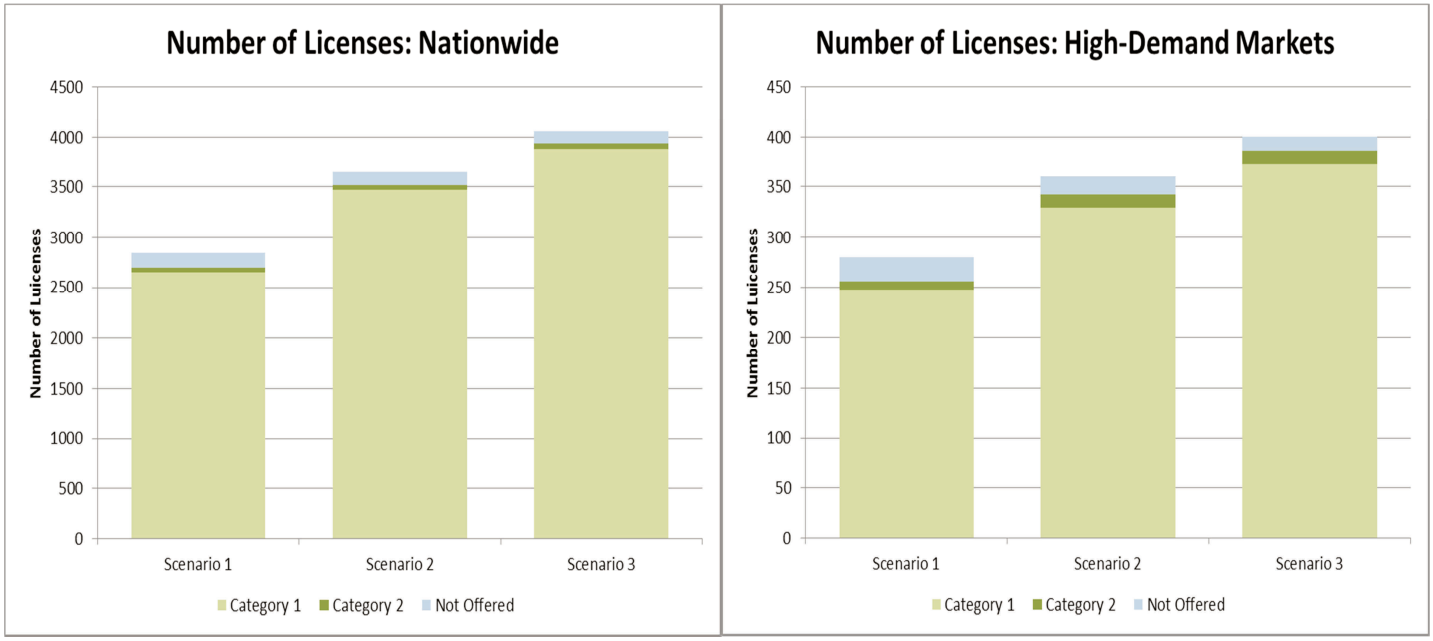
I. Overview

				Nationwide				High-Demand Markets**				PEA Analysis			
Scenario	Clearing (MHz)	Nationwide Impairment Threshold	Nationwide Impairment	Number of Category 1	Number of Unimpaired Category 1	Number of Category 2	Number Licenses Not Offered	Number of Category 1	Number of Unimpaired Category 1	Number of Category 2	Number Licenses Not Offered	Number of PEAs with only Category 1 Licenses Nationwide	Number of PEAs Nationwide With Less Than 3 Blocks Available	Number of PEAs with only Category 1 Licenses in High-Demand Markets	Number of PEAs With Less Than 3 Blocks Available in High-Demand Markets
1 (40-50% participation)	84	14%	13.1%	2654	2535	46	142	247	222	9	24	344	12	29	3
1 (40-50% participation; protecting Duplex Gap "DG")	84	14%	16.7%*	2631	2500	50	161	241	224	9	30	334	17	27	4
2 (50-60% participation)	114	11%	9.1%	3469	3334	50	135	329	302	13	18	353	9	32	1
2 (50-60% participation; protecting DG)	114	11%	11.5%*	3434	3282	56	164	321	298	17	22	339	11	29	2
3 (60-70% participation)	126	10%	4.1%	3886	3753	48	126	373	355	13	14	359	10	32	2
3 (60-70% participation; protecting DG)	126	10%	4.4%	3884	3750	45	131	373	355	12	15	358	10	32	2

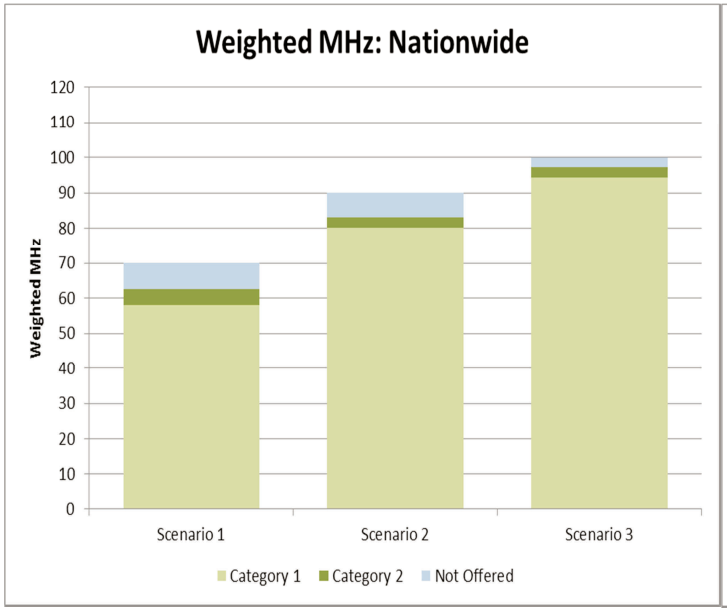
* The highlighted cells indicate impairment that exceeds the standard considered so these clearing targets would not be chosen and the initial clearing target would be lowered.

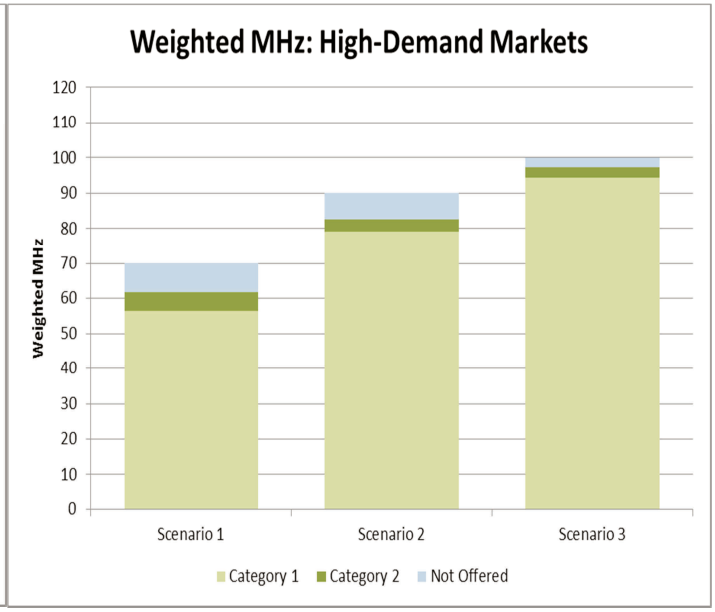
**"High-demand markets" is defined as the 40 largest PEAs by population.

II. Number of Licenses Available in the Forward Auction Nationwide and in High-Demand Markets (Not Protecting the Duplex Gap)

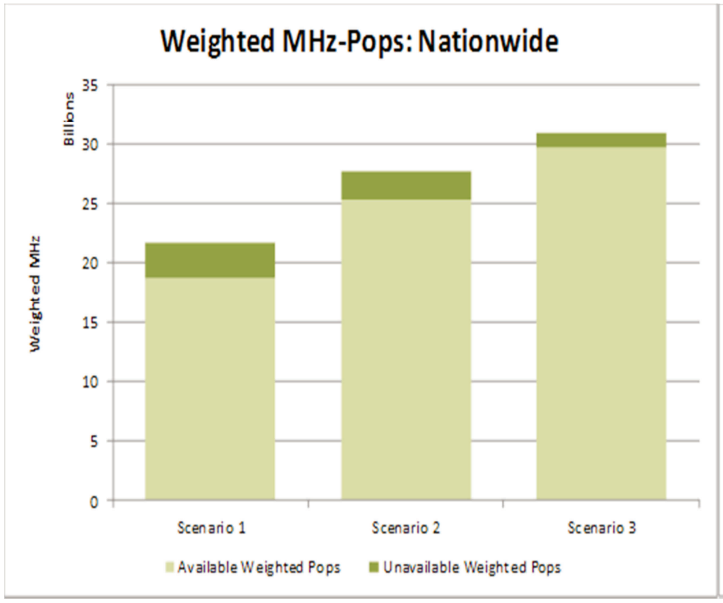


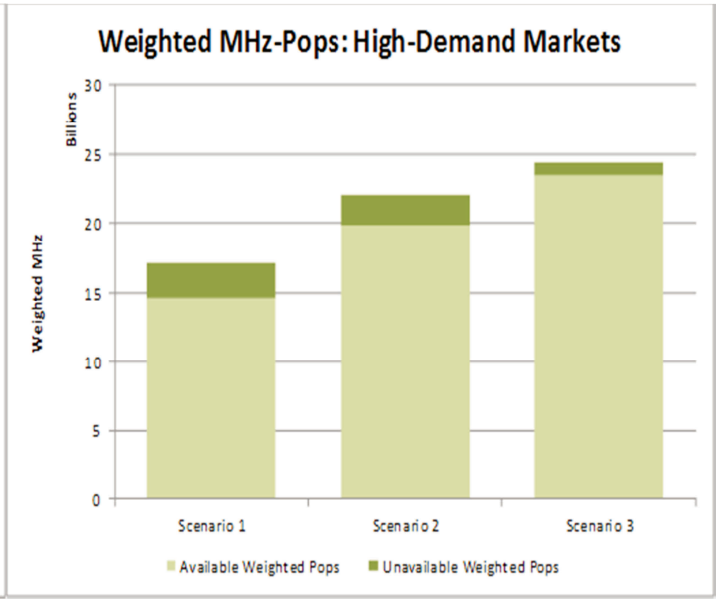
III. Weighted MHz Available in the Forward Auction Nationwide and in High-Demand Markets (Not Protecting the Duplex Gap)



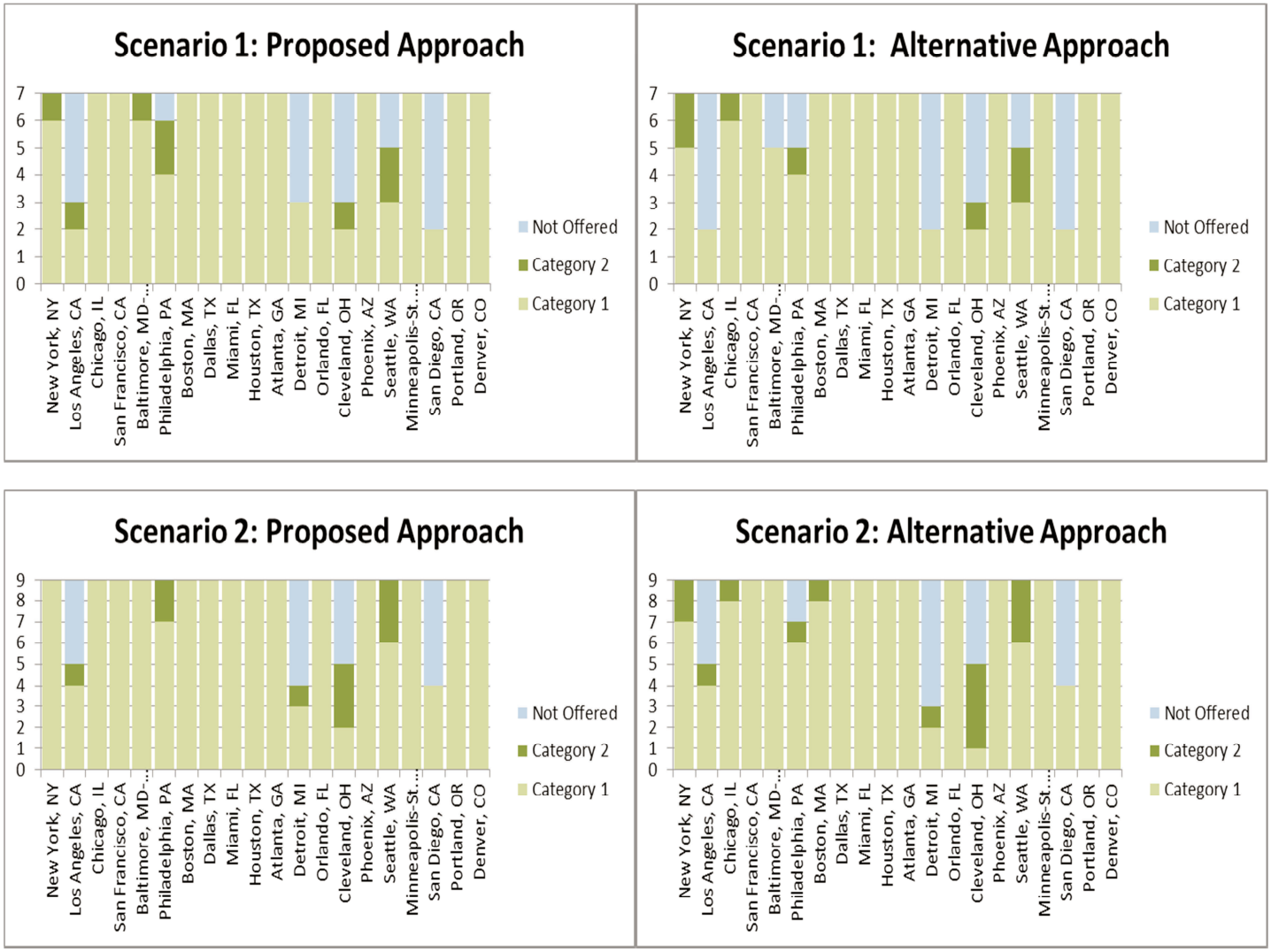


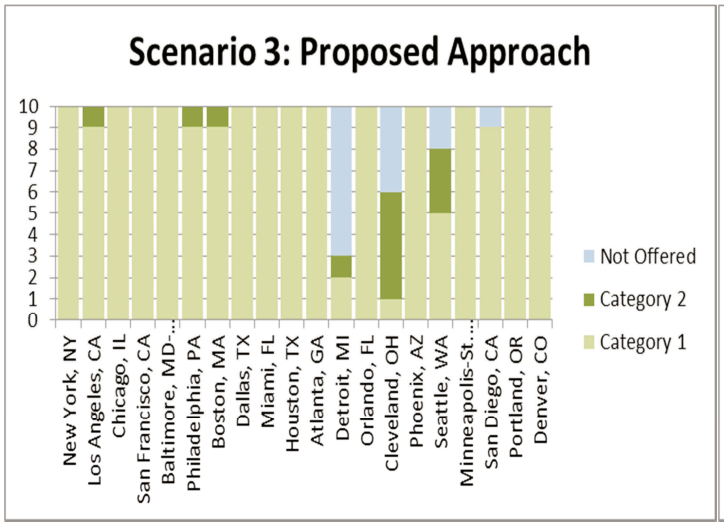
IV. Weighted MHz-Pops Available in the Forward Auction Nationwide and in High-Demand Markets (Not Protecting the Duplex Gap)

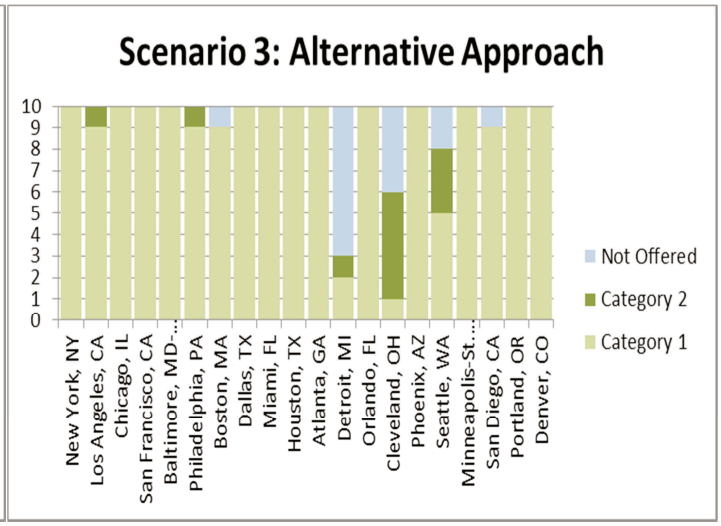




V. Impact of Protecting the Duplex Gap: Comparison of Forward Auction Licenses Available in the Top 20 PEAs




Scenario 3: Proposed Approach
10
9
8
7
6
5
4
3
2
1
0
New York, NY
Los Angeles, CA
Chicago, IL
San Francisco, CA
Baltimore, MD-...
Philadelphia, PA
Boston, MA
Dallas, TX
Miami, FL
Houston, TX
Atlanta, GA
Detroit, MI
Orlando, FL
Cleveland, OH
Phoenix, AZ
Seattle, WA
Minneapolis-St....
San Diego, CA
Portland, OR
Denver, CO
Not Offered
Category 2
Category 1


Scenario 3: Alternative Approach
10
9
8
7
6
5
4
3
2
1
0
New York, NY
Los Angeles, CA
Chicago, IL
San Francisco, CA
Baltimore, MD-...
Philadelphia, PA
Boston, MA
Dallas, TX
Miami, FL
Houston, TX
Atlanta, GA
Detroit, MI
Orlando, FL
Cleveland, OH
Phoenix, AZ
Seattle, WA
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Portland, OR
Denver, CO
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Category 2
Category 1