

**United States Senate
Committee on Commerce, Science, and Transportation**

**Hearing on
*Crafting A Successful Incentive Auction:
Stakeholders' Perspectives***

**Testimony of Preston Padden
Executive Director
Expanding Opportunities for Broadcasters Coalition**

Chairman Rockefeller, Ranking Member Thune, and Members of the Committee, my name is Preston Padden. I had a long career in television including many appearances before this Committee. I retired from the Walt Disney Company in 2010, taught Communications Law for three years, and now serve as Executive Director of the Expanding Opportunities for Broadcasters Coalition. Our Coalition is comprised of more than 70 TV Stations weighted toward the largest markets. These Stations are open to voluntary participation in the Incentive Auction under the right circumstances.

Our Coalition is committed to working with the FCC to make the Incentive Auction a success. We believe that if it adopts the right rules and policies, the FCC can achieve the Congressional goals of reallocating 120 MHz of spectrum from broadcasting to wireless broadband, raising \$7 billion to fund FirstNet, and raising additional monies to contribute to deficit reduction

The FCC's Incentive Auction Task Force has great leadership and is doing a terrific job. All parties interested in the Auction have enjoyed extraordinary access to the dedicated professionals who comprise the Task Force. The process has been open, constructive, and collaborative. In fact, as someone who has been around the FCC for 40 years, I have never seen a more impressive administrative effort.

Graphs of increased consumer demand for wireless broadband look like a "hockey stick." And, consumer embrace of online video, including wireless video, has dramatically increased the importance of supplemental downlink to support asymmetric network architecture. Given the dearth of other sources of additional spectrum, the FCC should press to reallocate the full 120 MHz specified in the National Broadband Plan.

Unfortunately, the FCC has not yet attracted anything approaching the critical mass of TV Station volunteers that will be necessary to have a successful auction. The "Canary-In-The-Coalmine" of this Auction is the fact that a top FCC media bureau official, whose responsibilities included outreach to broadcasters, just resigned to take a job with the broadcasting company most opposed to the auction. Without sufficient TV Station volunteers, the FCC will have no spectrum to auction, consumers will get no relief from dropped calls and spinning pinwheels, and there will be no money for FirstNet or for deficit reduction.

Our Coalition believes that the case can be made to convince TV Stations to participate in the auction. The key is the "Spectrum Value Gap" identified by the FCC in its Omnibus Broadband Initiative (OBI) Technical Paper # 3. The opportunity to monetize a Station's spectrum based on the higher values present in the wireless industry is the incentive to bring TV Stations in the front door of the auction. But, broadcasters do have alternatives. Just one of those alternatives is to wait for a new digital transmission standard and then to deploy the Tower Overlay system that was demonstrated successfully this past August at the International Broadcasting Convention. This system would enable TV Stations to embed LTE transmissions to

wireless devices in their broadcast transmissions, potentially earning an ongoing revenue stream from wireless carriers. Some stations find this potential route to monetize their spectrum compelling.

Going forward, the FCC's number one priority must be to convince more broadcasters that the Incentive Auction is a more attractive and more immediate opportunity to monetize their spectrum. The FCC has spent a lot of time thinking about a band plan. But if enough broadcasters don't walk through the front door of the Auction, there will be no need for a band plan. And, the FCC has spent a lot of time debating bidding restrictions. But without enough broadcast volunteers, there will be no need to restrict bidding because there will be nothing for any wireless carrier to bid on.

From this point forward, every issue, every rule, and every procedure must be evaluated by the Commission through the prism of whether it will help or hinder the effort to attract a critical mass of TV Stations. No matter how compelling other considerations might be, the FCC simply cannot afford to make decisions or to adopt policies that will discourage broadcaster participation. Let me offer a few examples.

Scoring: The FCC's Notice of Proposed Rulemaking for the Auction proposes to "score" stations based on population covered or some other station characteristic. This proposal is contrary to the statutory directive that payments to stations should be based on the market forces of an auction. Stations are selling 6 MHz of spectrum, not TV station businesses. The only legitimate basis to distinguish between stations is their relative contribution to repacking the broadcast band and to clearing spectrum. For this purpose, scoring is unnecessary because the Commission's auction design automatically will freeze hard-to-repack stations at early, higher-priced rounds of the auction.

Recognized expert auction economist Peter Cramton recently presented a deck to the FCC's Staff demonstrating that scoring would produce inefficiencies in repacking and clearing spectrum. That deck is attached to my testimony as Exhibit No. 1. Professor Cramton explains that scoring TV Stations in the Auction cannot be effective unless: (1) the FCC knows the reserve price of every TV Station in the Auction, which is impossible; and (2) the scoring weights are dynamically adjusted between Auction rounds, which would add unacceptable complexity and delay to what already is the most complex auction ever attempted by human kind. Most importantly, the prospect of some arbitrary and opaque scoring mechanism is breeding distrust among broadcasters and is driving them away from the Auction. Scoring is an example of a proposal that the FCC must evaluate through the prism of whether it will help or hinder the effort to attract to the Auction a critical mass of broadcasters.

Bidding Restrictions: There has been vigorous advocacy among the carriers regarding bidding restrictions on AT&T and Verizon. Our Coalition, which receives no funds from any carriers, strongly opposes such restrictions. The wireless market

is at least workably competitive. T-Mobile is coming on strong and actually beat AT&T and Verizon in subscriber growth in recent quarters. Sprint is now controlled by Softbank – a company that has enjoyed enormous competitive success in Japan’s wireless market.

T-Mobile and Sprint’s claims about the superiority of lower band spectrum are overstated, and it would be perverse to reward these two companies for their decision to not bid in the 700 MHz auction. Fred Campbell, former Chief of the FCC’s Wireless Bureau, conducted a thorough analysis of bidding restrictions in past auctions and concluded that they dramatically reduce auction revenue. His analysis is appended to my testimony as Exhibit No. 2. Reduced auction revenue would leave the FCC without the funds necessary to attract a sufficient number of TV station spectrum sellers. Whatever the perceived benefits of bidding restrictions, those benefits must be weighed against the very real danger of inadequate revenue to buy the spectrum necessary for a successful auction.

Channel Sharing: The FCC has a legacy of strict rules regulating a TV Station’s city of license, changes in city of license, and signal coverage over that city of license. In the Incentive Auction Notice of Proposed Rulemaking, the FCC proposed to adhere to these legacy rules by, for example, requiring that a station that surrenders its channel and then shares another station’s channel continue to place a city grade signal over every square inch of its current city of license. But, in this new world, with a statute that encourages stations to simply go out of business and to serve absolutely no one, strict adherence to city of license regulation simply makes no sense. If the FCC hopes to recover significant broadcast spectrum, it must permit, and even encourage, innovative “out-of-the-box” channel sharing proposals.

Specifically, stations should be free to relocate within their market, to change their city of license, and to share a channel with any other station in their market provided that the result is to free up spectrum for the Commission. The stations that are co-located at a market’s central “antenna farm” typically will take up only one channel in the repack of the TV band while stations scattered elsewhere in a market each are likely to take up three channels because of adjacent-channel interference. This engineering fact means that channel sharing, city of license changes, and moves to a central “antenna farm” can be critical to clearing sufficient spectrum for reallocation to wireless. A decision to continue to require compliance with legacy city of license regulation is an example of a decision that would work against the goal of a successful auction.

TV Translators: In a letter to the FCC, some Senators expressed a concern that the Incentive Auction could interfere with broadcast service to rural viewers by translator stations. However, translators are used to bring broadcast service to viewers in areas that primary broadcast transmissions do not reach. By definition, translator areas are not areas characterized by spectrum scarcity. Recently our Coalition prepared an analysis of the Minneapolis, Minnesota market and concluded that rural consumers will continue to have access to translator service after the

Incentive Auction. A copy of that analysis is appended to my testimony as Exhibit No. 3.

Auction Pricing: TV stations are ongoing businesses with building leases, equipment leases, programming contracts, and employment agreements—all of which need to be renewed from time to time. Before stations can decide to participate in the auction they need to know the level of starting prices the FCC will offer; they need to know when the auction will be held; and they need to know when they will be expected to cease broadcasting operations. The sooner the FCC can make this information available, the sooner more stations will be seriously able to evaluate auction participation.

* * *

In closing I want to reiterate the enormous respect and appreciation we have for the professionalism, dedication, and openness of the FCC's Incentive Auction Task Force. Although our Coalition does not always agree with their current views on every critical issue, we absolutely are committed to the success of the Incentive Auction and will do everything possible to help to achieve that result.

Testimony of Preston Padden
Executive Director
Expanding Opportunities for Broadcasters Coalition

EXHIBIT NO. 1:

PETER CRAMTON: SCORING IN REVERSE AUCTION

Scoring in Reverse Auction

Peter Cramton

Professor of Economics, University of Maryland

4 December 2013

Summary

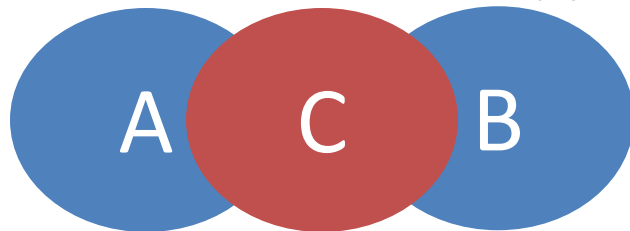
- No scoring is best if stations are substitutes
 - Repacks high-value stations first
 - Simple and transparent process
 - Single price clock in dollars
 - All stations treated equally
 - Substitution apt to dominate with so many stations
- No simple, objective method of scoring
 - Both pricing and clearing appears arbitrary
 - Optimal scoring requires full knowledge of station reservation values, which is not realistic
 - Optimal scoring requires weights to change dynamically as stations are repacked, which is complex and opaque
- If score, score on station's preclusive effect, rather than pop coverage or other measure of enterprise value

Scoring in reverse auction

- Scoring has a big impact on the order stations are repacked or frozen
- Order matters for
 - Efficiency: whether the right stations are repacked
 - Pricing: at what price a station is frozen
- Scoring based on station reservation values is price discrimination; it undermines broadcaster participation and efficiency
- Scoring based on opportunity cost of repacking may improve efficiency but is impractical

Terminology

- Starting price: station's initial price in reverse auction
- Scoring: different stations have different starting prices
- Reserve price: upper limit on payment to station (= starting price if scoring)
- Reservation value (= exit bid): lowest price station is willing to accept for clearing
- Stations are substitutes: raising a station's bid cannot cause another station to be repacked
 - Example of substitutes: two stations broadcasting from same tower at similar power
 - Example of complements: two small stations in market with non-overlapping coverage



A and B are complements
C and A&B are substitutes

Scoring in reverse auction (as suggested by FCC)

- All prices start at 100% of starting prices
- In each round prices drop to same percentage of starting prices, for example:
 - Round 0: 100%
 - Round 1: 90%
 - Round 2: 80%, etc.
- Station gives an exit bid indicating the price point at which it exits when round price is unacceptable
 - Example: a station with a reservation value of 86% of starting price would give an exit bid of 86% in Round 2
- Highest exit bid, stated as % of starting price, is next station identified for repacking

Scoring is about starting prices

- Several alternatives are possible
 - No scoring: every station has same starting price
 - Market scoring: every station in broadcast market has same starting price
 - Station scoring: each station has its own starting price

No scoring: single starting price

- Stations are repacked in order of value, starting with highest
- Yields highly efficient clearing, maximizing total value of repacked stations
- Largest markets tend to resolve earlier in auction
- No real cost to single-price approach
 - Auction still can conclude quickly
 - Market-specific reserve prices address market power

Market scoring: single price in market

- Suppose:
 - Major markets have high starting price
 - Minor markets have low starting price
- Then no tendency for major markets to resolve first
- Outcome likely is inefficient
 - Repacking in minor market can impose a costly constraint in major market
 - Example: repacking a low-value station in New Haven prevents the later repacking of a high-value station in New York City

Station scoring: each station has its own price

- Starting price is higher for stations with higher blocking potential (opportunity cost)
- Opportunity cost of repacking depends on unknowable reservation values
- Opportunity cost changes as stations are repacked
- Outcome is inefficient and arbitrary

Preferred solution:

Single-price approach with reserve

- Single-price approach (no scoring) has clear efficiency advantages
 - Run reverse auction with a single price clock
 - Repacks high-value stations first
- Market reserve price
 - Set high to motivate strong participation
 - Protects against lack of competition in market
- Efficiency advantage of single-price is retained provided reserve price sufficiently high

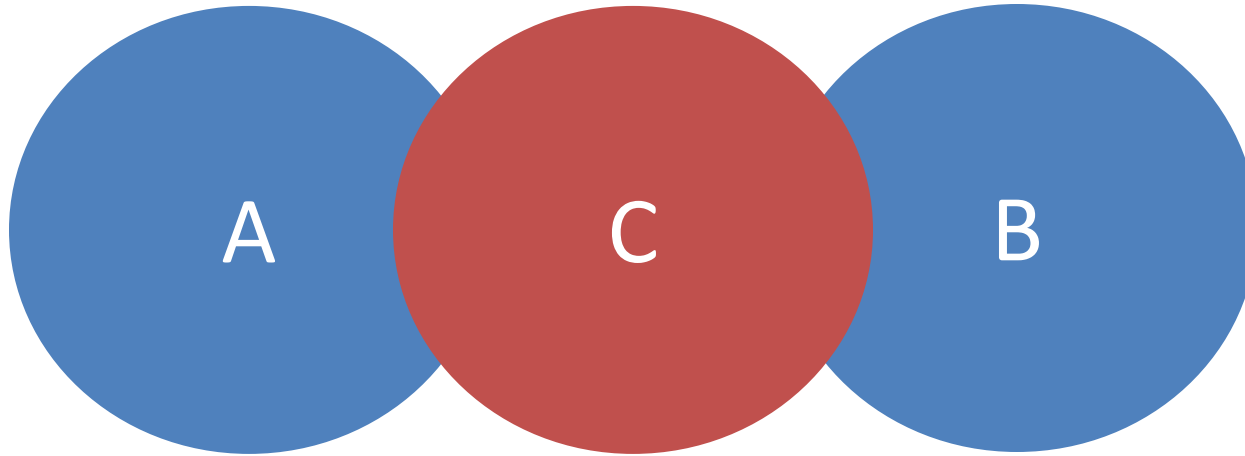
Case for no scoring

- When stations are substitutes, then no scoring is efficient
- Stations repacked in order of value (exit bids)
- Value of repacked stations is maximized
- Example with no scoring
 - Suppose can repack any 2 of 6 stations
 - 2 stations with highest exit bids are repacked
 - Remaining 4 are frozen at 2nd highest exit bid
 - Outcome is efficient
(maximizes value of repacked stations)

Case for scoring

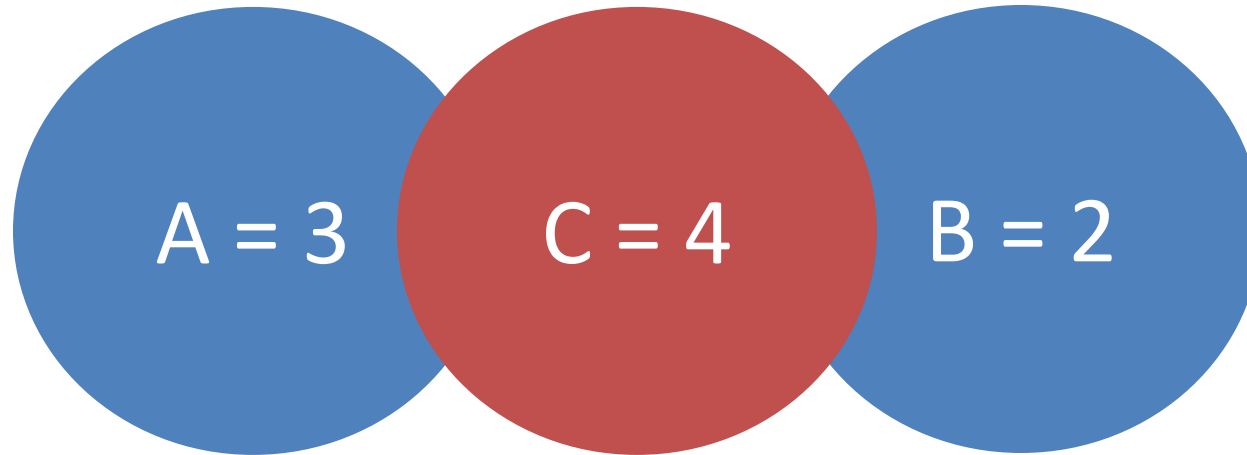
- When filling trunk to maximize total value,
score = value / volume = benefit / cost
Works well since volume is known and fixed!
- When selecting stations for repack, score should reflect opportunity cost of repacking station:
score = bid / opportunity cost
 - But opportunity cost is unknown as it depends on future exit bids
 - And opportunity cost changes as stations are repacked

Examples with complements



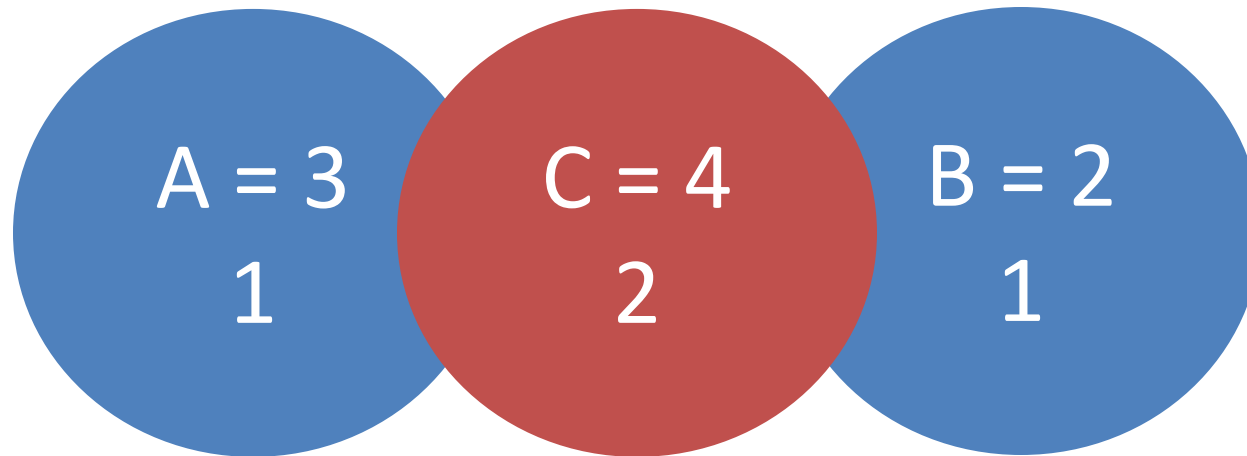
- Can repack A&B or C
 - A blocks C; B blocks C; C blocks A and B
 - A and B are complements
 - C and A&B are substitutes
- Result: Anything can happen!
 - Scoring may improve or harm efficiency
 - Scoring may reduce or increase clearing cost
 - Dynamic scoring required with more than 3 stations

No scoring may be inefficient



- C exits first at 4, blocking A and B
- Value of repack = $4 < 3 + 2$
- Clearing cost = $4 + 4 = \$8$

Scoring may improve efficiency

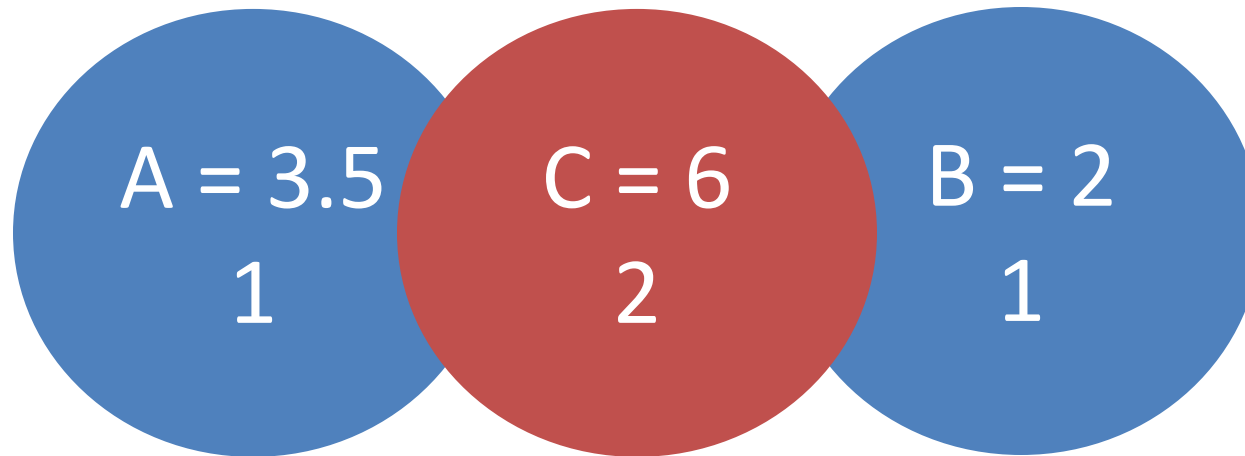


- Blocking weights $\{A, B, C\} = \{1, 1, 2\}$; score = bid/weight
C has higher weight due to greater blocking potential
- A exits first at 3, freezing C at score of 3; price = $2 \times 3 = \$6$
- Value of repack = $3 + 2 > 4$; Clearing cost = $\$6$

Same scenario with no scoring:

- C repacked; value = $\$4$; A & B paid $\$4$; cost = $\$8$

Scoring may harm efficiency

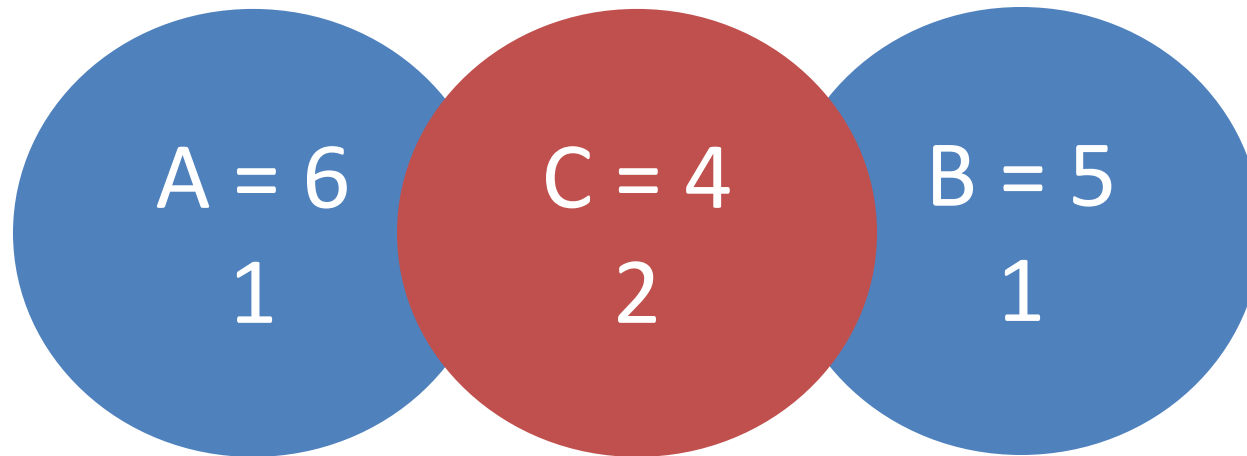


- Blocking weights $\{A, B, C\} = \{1, 1, 2\}$
- A exits first at 3.5, freezing C at price = 2×3.5
- Value of repack = $3.5 + 2 < 6$; Clearing cost = \$7

Same scenario with no scoring:

- C exits at 6; A & B paid \$6; cost = \$12

Scoring may increase clearing cost

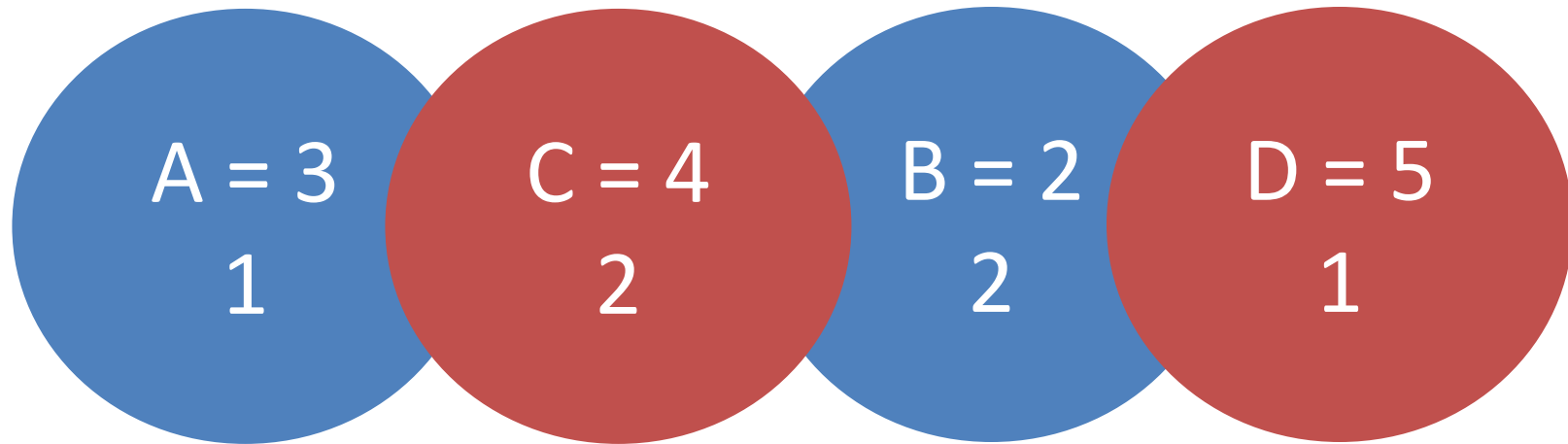


- Blocking weights $\{A, B, C\} = \{1, 1, 2\}$; score = bid/weight
C has higher weight due to greater blocking potential
- A exits first at 6, freezing C at score of 6; price = $2 \times 6 = \$12$
- Value of repack = $6 + 5 > 4$; Clearing cost = $\$12$

Same scenario with no scoring:

- Same repack, but C is cleared at $\$6$

Opportunity cost changes with repack



- No scoring: D and C repacked; B frozen at \$5, A at \$4; cost = \$9
- A and D each block 1; B and C each block 2
- Blocking weights {A, B, C, D} = {1, 2, 2, 1}
- Fixed scoring: D and A repacked; B frozen at \$10, C at \$6; cost = \$16
- But once D is repacked at score of 5:
 - B is frozen at a score of 5 and price of 10
 - A and C are substitutes and must have equal weights for efficiency
- Dynamic scoring: D and C repacked; B at \$10, A at \$4; cost = \$14

No scoring is best

- No scoring is ideal when stations are substitutes
 - Substitution is apt to dominate with many stations
 - With mostly substitutes, no scoring is highly efficient
 - No scoring is simple, transparent, and avoids price discrimination, motivating participation
-
- Scoring may improve or reduce efficiency and cost effectiveness when stations are not substitutes
 - Setting weights optimally requires detailed knowledge of blocking potential *and* station reservation values
 - Ideal weights (opportunity costs) change dynamically with repack
 - If score, score on station's preclusive effect, rather than pop coverage or other measure of enterprise value

Testimony of Preston Padden
Executive Director
Expanding Opportunities for Broadcasters Coalition

EXHIBIT NO. 2:

FRED CAMPBELL: MAXIMIZING THE SUCCESS OF THE INCENTIVE AUCTION

MAXIMIZING THE SUCCESS OF THE INCENTIVE AUCTION

By

FRED B. CAMPBELL

Adjunct Professor of Law, University of Nebraska Space, Cyber, and Telecom Program
and former Chief of the Wireless Telecommunications Bureau,
Federal Communications Commission

November 4, 2013

EXECUTIVE SUMMARY

The incentive auction will not succeed if the policies adopted by the Federal Communications Commission (FCC) fail to attract the participation of enough television broadcasters. If the FCC adopts proposals to restrict the participation of Verizon and AT&T in the incentive auction and “score” the value of television broadcast stations, it would discourage the participation of broadcasters and increase the likelihood that the auction will fail. If the auction fails, the recommendation of the 9/11 Commission to create a nationwide interoperable broadband public safety network would remain unfulfilled, the spectrum crunch would remain unresolved, and consumers would pay the price.

This paper provides empirical data regarding the costs of restricting the eligibility of large firms to participate in FCC spectrum auctions. The data demonstrates that restrictions on the participation of large firms in previous FCC spectrum auctions:

- Delayed the provision of new wireless services to sixty-eight percent (68%) of the public by a weighted average of nearly seven (7) years,
- Reduced auction revenue by lowering net bids by thirty-one percent (31%) to sixty-one percent (61%), and
- Failed to substantially benefit wireless competition.

Given that eligibility restrictions are likely to reduce auction revenue and result in the assignment of licenses to comparably less efficient firms without substantially benefitting wireless competition, the FCC imposes such restrictions only when an open auction would pose a *significant* likelihood of *substantial* competitive harm in *specific* markets and the restrictions would be an *effective* way to address that harm.

There is no significant likelihood that the competitive positions of Sprint and T-Mobile would be substantially harmed by competing in an open incentive auction and no credible evidence that restricting the participation of Verizon and AT&T would be an effective way of addressing any potential harm. Both Sprint and T-Mobile have recently strengthened their competitive position in the mobile market through substantial spectrum and subscriber acquisitions in the secondary market and by obtaining billions of dollars of additional investment from their foreign patrons. The FCC also amended its rules last year to provide Sprint with a nationwide block of contiguous spectrum below 1 GHz and found that the T-Mobile can compete effectively without such spectrum. In this competitive market environment, there is no rational justification for insulating these particular firms from competitive bidding. This is especially true in the incentive auction because the expected reduction in revenue would reduce the incentive for broadcasters to participate.

Lowering the prices paid to broadcasters by “scoring” television stations based on factors irrelevant to the value of the spectrum for mobile use would be inconsistent with the authorizing statute and would further discourage the participation of television broadcasters in the auction. To induce substantial broadcaster participation, the incentive auction must offer television licensees (1) an opportunity to sell their spectrum

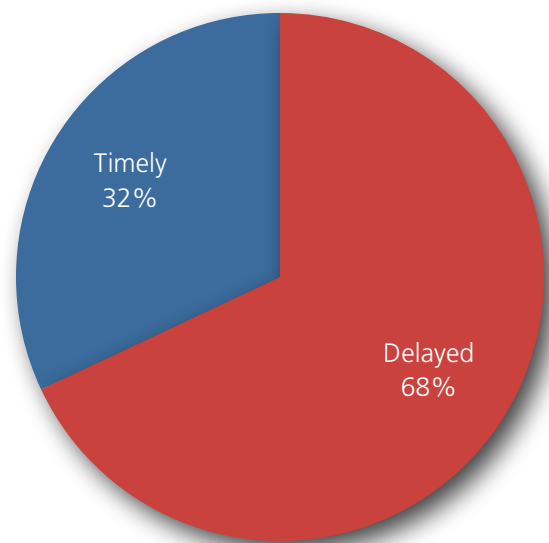
rights for substantially more than they are currently worth (2) at a price that is substantially more attractive than their alternative options. Scoring stations in order to pay television licensees less than they are willing to accept for relinquishing their spectrum rights would give them an incentive to pursue their alternative options rather than participate in the auction, which could cause the auction to fail altogether.

Substantial Delays in Service to the Public

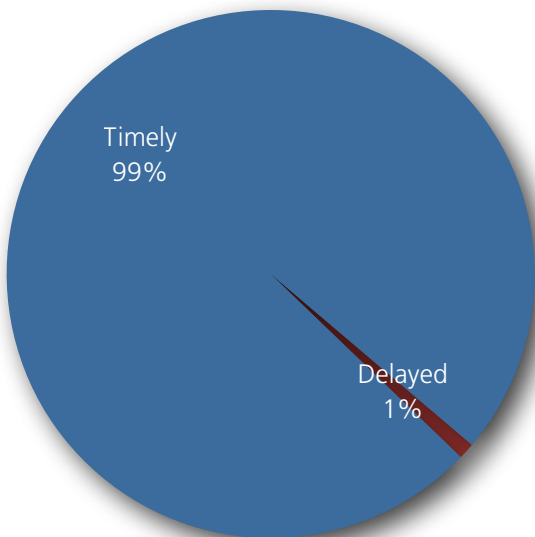
To assess the impact of FCC eligibility restrictions on auction participation, this study compares the results of the initial auctions for the restricted C and F blocks in the PCS band (1996-1997) with the unrestricted initial auctions of similar spectrum in the other PCS blocks (1995-1997), the AWS-1 band (2006), and the 700 MHz band (2002-2008).

The firms responsible for net winning bids on seventy-seven percent (77%) of the initial C block licenses in the PCS band were unable to meet their obligations to provide service to the public. Their defaults delayed regular service to eighty-two percent (82%) of the total population coverage in the C block by a weighted average of six (6) years and ninety-eight (98) days. In the initial auction of the PCS F block, firms defaulted on nineteen percent (19%) of the available licenses, which delayed regular service to twenty-three percent (23%) of the total population coverage in the F block by a weighted average of seven (7) years and one hundred eighteen (118) days. The failure of bidding restrictions to assign

Service Delays in the Closed PCS C and F Blocks



Service Delays in the Open PCS A, B, D & E Blocks



the spectrum in these blocks to firms capable of serving the public delayed service to a total of sixty eight percent (68%) of the population coverage in one-third of the PCS spectrum by a weighted average of six years, nine months, and seventeen days.

Some spectrum assigned in the initial C and F block auctions still remains unused today, more than seventeen years after the initial C block auction ended and the initial F block auction began.

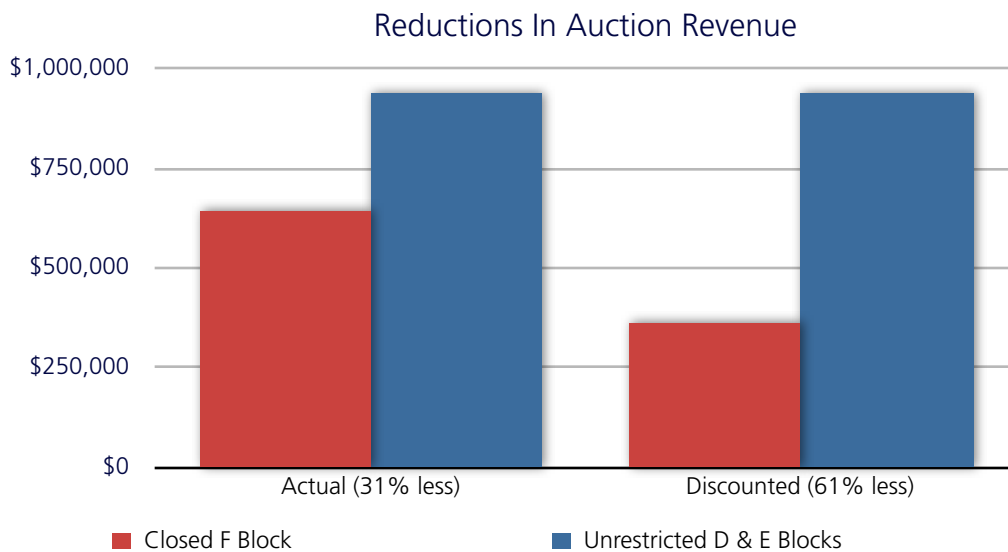
The impact of license defaults in the unrestricted PCS blocks was trivial in comparison. In the initial auctions for the PCS A, B, D, and E blocks, license de-

faults delayed regular service to less than two-tenths of one percent (0.15%) of the total population coverage in those blocks.

License defaults had a similarly trivial impact on the initial auctions of the unrestricted AWS and 700 MHz bands. There have been no license defaults in the AWS band, and license defaults have delayed regular service to less than one-tenth of one percent (0.09%) of the total population coverage in the 700 MHz band.

Substantial Reductions in Auction Revenue

The empirical data also demonstrates that bidders paid at least thirty-one percent (31%) and as much as sixty-one percent (61%) *less* for restricted spectrum than bidders who competed for unrestricted spectrum. Assuming the incentive auction would generate \$19 billion in net bids without eligibility restric-

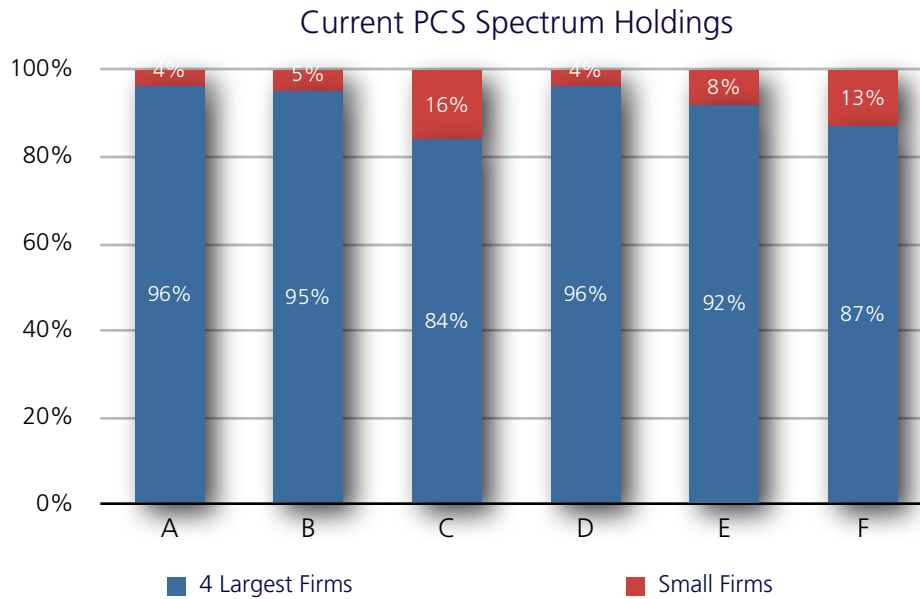


tions, restricting the bidding on one-half of the available spectrum would reduce auction revenues by a minimum of \$2.945 billion and as much as \$5.795 billion – reductions representing from forty-two to eighty-three percent (42-83%) of the auction revenue designated by Congress for public safety.

No Substantial Benefits to Competition

The FCC imposed bidding restrictions on large firms in the PCS C and F block auctions in an effort to promote sustained competition in the PCS band by small firms and to prevent strategic behavior (e.g., foreclosure) by large firms. These restrictions did not, however, result in widespread long-term participation by small firms in the wireless industry. Most small firms who won restricted spectrum licenses in the C and F block sold their licenses to large entities after the restrictions on resale expired. Today small firms (i.e., firms other than the four largest wireless firms) hold only sixteen percent (16%) of the spectrum in the C block and thirteen percent (13%) of the spectrum in the F block.

The lack of significant variation in small and large firm ownership among these blocks indicates that the eligibility restrictions in the C and F blocks did not serve their intended purpose of promoting widespread



competition by small firms in the long-term. They did, however, have the unintended consequence of delaying the assignment of one-third of the PCS spectrum to the firms that valued it the most highly and were the most likely to provide timely service to the public.

The Costs of Eligibility Restrictions Would Outweigh the Benefits

These empirical findings demonstrate that eligibility restrictions in FCC auctions have imposed substantial costs on consumers, wireless firms, and the government without providing the expected benefits. After the failures of the initial PCS C and F block auctions, the FCC adopted a standard for evaluating eligibility restrictions that is designed to ensure that their potential benefits outweigh their potential costs. This standard requires a finding that an open auction would “pose a significant likelihood of substantial competitive harm in specific markets” and that eligibility restrictions are an “effective way” to address the harm. The FCC concluded that this is a more discerning standard than the substantial market power standard and that it requires more than a mere showing that incumbents have the incentive and ability to engage in foreclosure (i.e., there must also be evidence that such behavior is likely to occur and that eligibility restrictions would be effective in eliminating its occurrence). The FCC adopted a more discerning standard because because the benefits of spectrum assignments to consumer welfare (and not to particular competitors) are determined by the relative *use* values of potential bidders (irrespective of their foreclosure values).

A filing by the Department of Justice (DOJ) stating that imposing bidding restrictions in the incentive auction “could improve the competitive dynamic among nationwide carriers” fails to meet this standard. The DOJ premised its comments on the coverage characteristics of the incentive auction spectrum, which occupies frequencies below 1 GHz. Though the DOJ has found that spectrum below 1 GHz may improve a firm’s ability to compete efficiently in sparsely populated rural areas, both the FCC and the DOJ have recently found that wireless firms can compete effectively on a nationwide basis *without* spectrum below 1 GHz. For example, in its analysis of the AT&T/T-Mobile merger, FCC staff found that, despite T-Mobile’s

lack of substantial spectrum below 1 GHz, if AT&T were to raise prices, “enough customers would instead select a product offered by T-Mobile or some other firm as to make the price increase unprofitable.” This and other recent FCC findings are inconsistent with the notion that Sprint and T-Mobile cannot compete effectively without spectrum below 1 GHz.

Assuming the FCC could articulate a consistent rationale for finding a significant likelihood of substantial harm in specific markets due to the potential for foreclosure based on the coverage characteristics of spectrum below 1 GHz, it would have to demonstrate that restricting the eligibility of Verizon and AT&T *only* on a nationwide basis would be effective in eliminating that harm. The potential for foreclosure is inherent in all markets with scarce inputs, and *all* firms, including Sprint and T-Mobile, derive some degree of foreclosure value from the acquisition of exclusive spectrum rights. If the FCC were to impose eligibility restrictions based on coverage concerns related to the propagation characteristics of spectrum below 1 GHz, those restrictions would not be effective unless they were applied to *all* firms that hold spectrum below 1 GHz in specific markets. Sprint already holds a nationwide, contiguous block of mobile broadband spectrum below 1 GHz, and has the incentive and ability to engage in foreclosure against T-Mobile similar to that of Verizon and AT&T. In these circumstances, an eligibility restriction that excluded Sprint would not be effective in eliminating the potential for foreclosure based on coverage concerns. A restriction based on coverage would also be ineffective in urban markets, where capacity is the primary competitive concern, and in the specific markets in which T-Mobile already holds spectrum below 1 GHz.

Imposing eligibility restrictions on Verizon and AT&T would similarly be ineffective at preventing foreclosure based on capacity concerns. The other factors identified by the DOJ as relevant to the incentive of Verizon and AT&T to foreclose (i.e., the factors unrelated to the propagation characteristics of the spectrum) are also applicable to the other nationwide mobile firms. These factors indicate that Sprint and T-Mobile are likely to have relatively strong incentives to engage in foreclosure, though they are less likely to have the ability to engage in foreclosure relative to Verizon and AT&T *unless* the government intervenes. The potential unintended consequence of the DOJ’s proposed foreclosure remedy is that it would give firms with relatively strong incentives to foreclose (Sprint and T-Mobile) the *ability* to foreclose by mitigating the costs and risk that otherwise deter foreclosure in unrestricted auctions by providing them with a government-subsidized opportunity to acquire spectrum at a substantial discount with no risk that their primary rivals could obtain that spectrum instead. Their costs and risks would instead be borne by *broadcasters*, who would receive less for their spectrum than it is worth, and ultimately, by consumers and the government in the form of delayed service to the public, lower auction revenue, and the potential to leave the national public safety network unfunded.

Scoring Television Stations Would Discourage Broadcaster Participation

Scoring each television station to account for the population served by the station in order to lower the prices paid to broadcasters would contradict the statutory requirement that a television licensee receive “the amount it would accept for voluntarily relinquishing some or all of its spectrum usage rights.” Congress understood that the success of the incentive auction would depend on inducing a substantial number

of television licensees to voluntarily sell their spectrum rights by offering them (1) an opportunity to sell their spectrum rights for substantially more than they are currently worth (2) at a price that is substantially more attractive than their alternative options. The FCC and Congress have both recognized that, if the incentive auction fails, broadcasters have other options for transitioning their spectrum. By artificially lowering the amount a television licensee would be willing to accept for relinquishing its spectrum rights, including the opportunity to pursue alternative options, scoring would threaten the viability of the auction.

Overview

Part I of this study summarizes the broadcast incentive auction and the issues at stake, and Part II summarizes the purpose of spectrum auctions and bidding preferences in spectrum assignments. Part III analyzes the delays in service to the public caused by license defaults in previous FCC auctions of restricted spectrum, Part IV analyzes the reduction in government revenue caused by such restrictions, Part V analyzes the lack of substantial competitive benefits resulting from bidding restrictions, and Part VI concludes that the cost of imposing eligibility restrictions in the incentive auction would outweigh any potential benefits. Part VII discusses the illegality of bid scoring and its interplay with alternatives to the incentive auction.

PART I: What Is at Stake in the Broadcast Incentive Auction and What Could Go Wrong?	1
PART II: The Role of Auctions and Bidding Preferences in Spectrum Assignment	2
PART III: Substantial Delays in Service to the Public	3
The Broadband PCS Band -----	4
PCS Licensing Requirements -----	5
PCS Bidding Preferences -----	5
The Initial PCS Auctions -----	6
Unrestricted PCS Auctions.....	6
Restricted PCS Auctions	7
Aftermath of PCS C and F Block Auctions -----	7
C Block Restructuring	7
Bankruptcy Proceedings.....	8
Forfeited PCS Auction Revenues	9
The AWS-1 and 700 MHz Bands -----	10
The AWS-1 Band and Initial Auction -----	10
The 700 MHz Band and Initial Auctions -----	11
Comparison of Service Delays in Restricted and Unrestricted Auctions -----	12
PART IV: Substantial Reductions in Government Revenue	13
PART V: No Substantial Benefits to Competition	14
PART VI: The Costs of Bidding Restrictions Would Outweigh the Benefits	15
There is No Evidence of Any Potential for Harm in the Incentive Auction -----	16
No Evidence of Harm to Consumer Choice -----	16
No Evidence that Foreclosure Is Significantly Likely to Occur -----	17
Restricting the Eligibility of Verizon and AT&T Would Be Ineffective -----	20
Low-Frequency Spectrum Holdings -----	20
The Proposed Remedy Is Under-Broad -----	22

The Proposed Remedy Is Over-Broad-----	24
PART VII: Scoring Television Stations Would Discourage Broadcaster Participation	24
<i>Scoring Would Be Inconsistent with the Spectrum Act -----</i>	<i>25</i>
<i>The Incentive Must Be More Attractive than Alternative Options -----</i>	<i>25</i>
CONCLUSION	26
ENDNOTES	27
APPENDIX A: Calculating Service Delays and Current PCS Holdings	37
<i>Delay Periods Considered-----</i>	<i>37</i>
Application Dismissals-----	37
License Cancellations -----	37
Restructuring Elections	37
Installment Payments.....	37
Voluntary	38
License Terminations -----	38
Bankruptcy Delays-----	38
Red Light Delays -----	38
Waiver Delays -----	38
<i>Delay Periods Not Considered -----</i>	<i>38</i>
<i>Calculating the Delay Periods-----</i>	<i>39</i>
<i>Calculating the Weighted Average Delay Periods-----</i>	<i>40</i>
<i>Calculating Current PCS Spectrum Holdings-----</i>	<i>40</i>
APPENDIX B: Auctions 4 (B-1), 5/10 (B-2), 11 (B-3 & B-4), and 73 (B-5)	42
APPENDIX C: New York State Hypothetical	153

PART I: What Is at Stake in the Broadcast Incentive Auction and What Could Go Wrong?

In 2012, Congress passed Spectrum Act legislation authorizing the FCC to conduct an incentive auction to repurpose television broadcast spectrum for mobile use.¹ The incentive auction will provide broadcasters with an opportunity to voluntarily surrender their spectrum rights in a “reverse auction” in exchange for a portion of the proceeds paid by bidders who win the surrendered spectrum in a “forward auction.” The opportunity for broadcasters to share in the auction proceeds gives them a market-based incentive to voluntarily relinquish their spectrum rights.²

The Spectrum Act legislation also requires that approximately \$7 billion in auction proceeds be deposited in a trust fund for the construction of a nationwide, interoperable public safety network and other important purposes and that any remainder contribute to deficit reduction.³ The idea for this public safety network originated with The 9/11 Commission Report over a decade ago,⁴ but it has never been built due to a lack of funding. The incentive auction offers an opportunity to fund the network without putting additional pressure on the federal or state and local budgets.

That opportunity is not without cost. Using a portion of the auction proceeds to fund public safety reduces the market incentives for broadcasters to participate in the auction. There is an inherent conflict between an economically efficient reassignment of spectrum rights among private firms and the obligation to raise substantial revenue for other important purposes, i.e., an auction designed to maximize revenue will reduce the market’s ability to assign spectrum licenses to the firms that value them the most.⁵ This conflict

makes it difficult to design an incentive auction that reallocates a substantial amount of broadcast spectrum for transformative mobile broadband services while meeting the funding goals for public safety.

Considering the incentive auction’s unprecedented complexity and its importance to public safety, a prudent auction design would focus on maximizing the participation of broadcasters in the reverse auction and the participation in the forward auction of wireless firms who value the spectrum most highly. An auction design that maximizes the participation of broadcasters and wireless firms would be most likely to meet Congressional goals for alleviating the spectrum crunch and funding public safety while compensating broadcasters for relinquishing their spectrum rights. Unfortunately, the FCC is currently considering proposals that would limit participation in both the reverse and forward auction.

In a misguided attempt to influence market structure in the mobile industry, the Department of Justice (DOJ) has urged the FCC to restrict competitive bidding by Verizon and AT&T in order to “ensure” that Sprint and T-Mobile win spectrum in the auction.⁶ The DOJ asserts that Verizon and AT&T have the incentive and ability to acquire spectrum in the incentive auction solely to foreclose the opportunity for other providers to acquire spectrum below one GHz, and that ensuring Sprint and T-Mobile acquire such spectrum “could improve the competitive dynamic among nationwide carriers.”

The FCC has also proposed to “score” the value of broadcast stations in the reverse auction based on the population they cover or other characteristics in order to reduce the amount the FCC must pay

broadcasters for voluntarily relinquishing their spectrum licenses.⁷

If the FCC adopts these proposals, the already complex incentive auction is substantially more likely to fail Congress, consumers, and public safety. The data in this study shows that restricting auction participation to promote particular groups of competitors would likely delay the provision of new wireless services to the public and lower auction revenues without providing any countervailing benefits. Artificially reducing payments to broadcasters would produce similar results and could cause the auction to fail altogether.

PART II: The Role of Auctions and Bidding Preferences in Spectrum Assignment

The FCC has used competitive bidding to assign spectrum rights for the last twenty years.⁸ Congress authorized competitive bidding in 1993 to end a scandal that erupted when the public discovered that giving away spectrum licenses had made multimillionaires of lucky speculators who resold their licenses for “astronomical” sums.⁹ These giveaways — valued at \$45 to \$80 billion dollars by the National Telecommunications Information Administration¹⁰ — failed to assign spectrum licenses to the most efficient firms and delayed the provision of additional mobile services to the public.¹¹

Spectrum auctions were intended to correct the failures of earlier license assignment mechanisms by:

- Assigning licenses to the firms that value them most highly, who are presumed to be most likely to provide quality service to the public;

- Providing a transparent assignment methodology with objective criteria; and
- Minimizing transaction costs and rent seeking.¹²

Though auctions were controversial initially, twenty years and eighty-two auctions later,¹³ there is widespread agreement that competitive bidding has generally succeeded in meeting these goals.¹⁴ The FCC and other policymakers have repeatedly found that market-based auctions license spectrum to the most efficient firms while minimizing delays in service to the public, preventing unjust enrichment, and providing revenue to the public treasury.¹⁵

Despite widespread agreement that spectrum auctions have generally proven successful, the use of bidding preferences in spectrum auctions still generates controversy. When Congress first authorized the assignment of licenses by auction in 1993, it directed the FCC to promote the dissemination of licenses among a “wide variety of applicants, including small businesses, rural telephone companies, and businesses owned by members of minority groups and women.”¹⁶

The FCC has complied with this directive by offering various bidding preferences to smaller firms.¹⁷ These bidding preferences fall into three general categories:

Bidding credits - subsidies of a fixed percentage of winning bids placed by smaller firms or to serve particular areas;

Installment payments - subsidized financing for smaller firms; and

Eligibility restrictions - restrictions on the eligibility of larger firms to bid on particular spectrum (also known as “set asides”).¹⁸

The FCC suspended the use of installment payments generally in 2000,¹⁹ and has adopted a stringent standard for determining when eligibility restrictions are appropriate.²⁰ For the reasons discussed in this study, the FCC has not imposed bidding restrictions on an auction of nationwide mobile spectrum since Auction 11, which closed in 1997.

While the Spectrum Act legislation was being debated in Congress, former FCC Chairman Julius Genachowski nevertheless proposed applying eligibility restrictions to the incentive auction.²¹ Congress responded by including a provision in the Spectrum Act that provides, “Notwithstanding any other provision of law, the Commission may not prevent a person from participating in a system of competitive bidding under this subsection” if the person is otherwise qualified to be a licensee.²² Although this provision clearly prohibits the FCC from deeming large wireless firms ineligible to participate in the incentive auction, the Spectrum Act also provided that this provision does not affect “any authority the [FCC] has to adopt and enforce rules of general applicability, including rules concerning spectrum aggregation that promote competition.”²³

This savings clause provided the FCC with an opportunity to use its general authority over spectrum aggregation to achieve the same substantive results as an auction-specific eligibility restriction simply by defining the spectrum aggregation limits in a way that would impact only the spectrum in the incentive auction. The FCC decided to seize the opportunity: On the same day the FCC sought comment on the incentive auction design,²⁴ it also sought comment on modifying its generally applicable spectrum aggregation rules in a way that would restrict the bidding of Verizon and AT&T

only.²⁵ This provided the DOJ with an opportunity to file its proposal recommending that the FCC adopt spectrum aggregation rules designed to “ensure” Sprint and T-Mobile obtain a nationwide block of spectrum in the incentive auction.²⁶

PART III: Substantial Delays in Service to the Public

The FCC has completed eighty-two spectrum auctions for licenses in a variety of spectrum bands and for a variety of radio services. The data in this study is limited to auctions of spectrum that have similar characteristics to the incentive auction, which will be an initial auction of spectrum on a nationwide basis that is considered suitable for mobile services.

This study treats Auctions 5 and 10 as a single auction when measuring the costs of eligibility restrictions. The winning bidders for eighteen licenses in Auction 5 failed to submit their down payments and their applications were promptly dismissed. The FCC re-auctioned these eighteen licenses in Auction 10, which closed less than three months after the close of Auction 5, and both auctions 5 and 10 applied the same bidding preferences. Auction 10 thus rendered trivial the potential impact from the dismissal of those eighteen licenses in Auction 5.

This study also excludes the D block in the upper 700 MHz band, which Congress reallocated to public safety after Auction 73.²⁷

The mobile spectrum assigned by auction on a nationwide basis is listed in Table 1. The methodology used to calculate delays is described in Appendix A.

TABLE 1

AUCTION					DEFAULTS & DELAYS			NET BIDS (\$1,000s)			
#	BAND	BLOCK	MHZ	OPEN	LICENSE	DEFAULTS	DELAYS	TOTAL	BIDS IMPACTED		
4	PCS	A	30	Yes	48	3	0.1%	\$ 2,937,027	\$ 325	0.01%	
		B	30	Yes	51	-	-	\$ 4,082,377	-	-	
5	PCS	C	30	No	625	483	82.3%	\$ 10,102,121	\$ 8,235,739	81.5%	
		D	10	Yes	493	11	0.21%	\$ 947,721	\$ 1,361	0.14%	
11	PCS	E	10	Yes	493	21	0.68%	\$ 927,369	\$ 2,817	0.3%	
		F	10	No	493	92	23.3%	\$ 642,349	\$ 157,913	24.6%	
44	L-700	C	12	Yes	734	-	-	\$ 83,990	-	-	
		D	6	Yes	6	-	-	\$ 4,662	-	-	
66	AWS	A	20	Yes	734	-	-	\$ 2,247,018	-	-	
		B	20	Yes	176	-	-	\$ 2,437,133	-	-	
		C	10	Yes	176	-	-	\$ 1,461,416	-	-	
		D	10	Yes	12	-	-	\$ 1,669,659	-	-	
		E	10	Yes	12	-	-	\$ 1,750,555	-	-	
		F	20	Yes	12	-	-	\$ 4,174,486	-	-	
73	L-700	A	12	Yes	176	-	-	\$ 3,875,664	-	-	
		B	12	Yes	734	9	0.54%	\$ 9,068,383	\$ 1,983	0.02%	
		E	6	Yes	176	-	-	\$ 1,266,845	-	-	
73	U-700	C	22	Yes	12	-	-	\$ 4,746,691	-	-	

The Broadband PCS Band

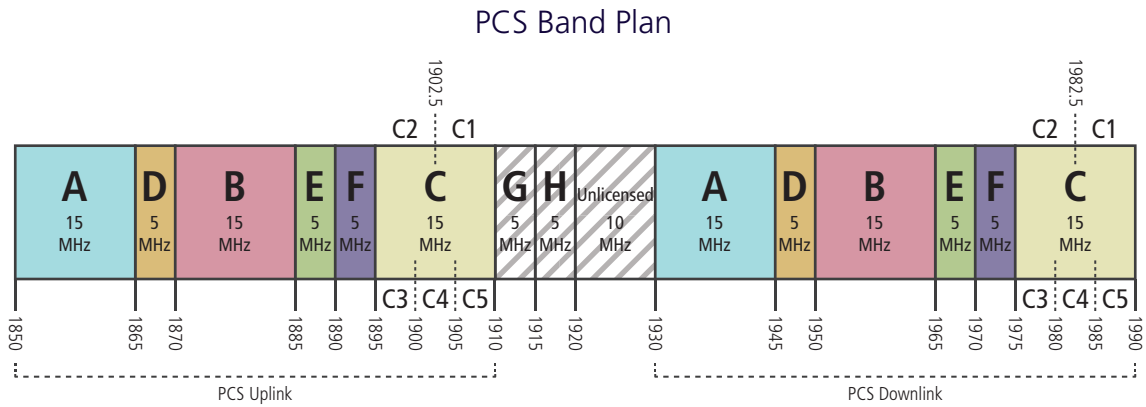
The Personal Communications Services band was the first spectrum band suitable for mobile service that was auctioned on a nationwide basis. The FCC allocated 120 MHz of spectrum between 1850 MHz and 1990 MHz for licensed²⁸ broadband Personal Communications Services (PCS) in 1993²⁹ – the same year it received auction authority – and adopted service rules governing PCS auctions in 1994.³⁰

The licensed PCS spectrum was initially divided into three blocks of 30 MHz each (blocks A, B, and C) and three blocks of 10 MHz each (blocks D, E, and F). The A and B blocks were assigned on the basis of fifty-one geographic areas — Major Trading Areas (MTAs) — and the remaining blocks were assigned on the basis of four hundred ninety-three geographic areas — Basic Trading Areas (BTAs).³¹ Some C block licenses were disaggregated into two blocks of 15 MHz each (blocks C1 and C2) when the FCC provided the initial C

block licensees with an opportunity to restructure their licensing obligations prior to Auction 22. The FCC disaggregated some 30 MHz C block licenses into three blocks of 10 MHz each (C3, C4, and C5) prior to Auction 35.

The consequences for defaulting on the financial or buildout requirements applicable to PCS licensees are severe:

Dismissal - if a winning bidder fails to make its



PCS Licensing Requirements

A winning bidder is required to satisfy certain financial and buildout requirements to receive a PCS license and retain it for the entire ten-year license term.

To receive a license, a winning bidder must submit timely down payments.

After a license is granted, a licensee that is paying in installments must pay the remaining amount of its winning bid over its ten-year license term.

To retain its license, a 30 MHz PCS licensee must provide coverage to one-third (33%) of the population in their license area within five years of the initial license grant and to two-thirds (66%) of the population in their license area within ten years of the initial license grant.³² A firm with a 10 MHz license or a 15 MHz C1 or C2 license must provide coverage to one-fourth (25%) of the population in their service area within five years and have no ten-year requirement.³³

down payment, the FCC dismisses the application;

Cancellation - if a licensee fails to meet its remaining financial obligations (e.g., defaults on an installment payment), the FCC cancels the license; and

Termination - if a licensee fails to meet its construction obligations, the FCC terminates the license.

Though the FCC uses different terms to describe them, the substantive results are the same for all three types of license defaults: The winning bidder or licensee forfeits the right to use the spectrum. In practice, license cancellation and termination are often treated as synonymous, and unless otherwise noted, this study treats them as such.

PCS Bidding Preferences

The FCC did not impose eligibility restrictions for the two-thirds of PCS spectrum in the A, B, D, and E blocks: Any qualified applicant could bid on these blocks. There were also no government financing (i.e., installment payments) or bidding

credits available to small firms who bid on licenses in these blocks.³⁴

The FCC “set aside” the remaining one-third of PCS spectrum in the C and F blocks exclusively for bidding by small firms it dubbed “entrepreneurs”. Some small firms who bid on spectrum in these restricted blocks were also eligible for bidding credits at auction and government financing throughout the ten-year license term (though not all “entrepreneurs” were eligible for these additional preferences). To avoid unjust enrichment, the FCC required that firms receiving bidding preferences pay a penalty if they transferred or assigned their licenses to a large firm within five years of the initial license grant. These bidding preferences are summarized in Table 2.³⁵

Unrestricted PCS Auctions

The initial auctions of the unrestricted spectrum in the A, B, D, and E blocks were generally successful in correcting the failures of earlier assignment mechanisms. Most of the spectrum in these blocks was assigned without substantial administrative delays to firms who rapidly provided new, digital wireless services to the public on a nationwide basis. There were no license defaults in the B block, and license defaults affected less than one percent (1%) of the potential coverage in the A, D, and E blocks.³⁶

The limited license defaults that occurred in the A, D, and E blocks generally involved licenses: (1) covering areas that are difficult to serve or (2) that

TABLE 2

ELIGIBLE FIRMS		INSTALLMENT PAYMENT TERMS					CREDITS
TYPE	REVENUES (1,000,000s)	NET BID FINANCED		RATE	INTEREST ONLY (Years)		
		C	F	10-Year T +	C	F	
Entrepreneur	>\$75< \$125	90%	80%	3.5%	-	6	-
	≤\$75	90%	80%	2.5%	1	1	-
Small Business	≤\$40	90%	80%	-	6	2	15%
Very Small Business	≤\$15	90%	80%	-	6	2	25%

The Initial PCS Auctions

The initial PCS licenses were auctioned from 1995 to 1997 in Auctions 4 (A and B blocks), 5/10 (C block and C block re-auction), and 11 (D, E, and F blocks). Empirical data from these auctions reveals substantial disparities in the results for unrestricted (or “open”) and restricted (or “closed”) spectrum blocks.

had been partitioned or disaggregated pursuant to a unique bidding preference afforded to rural telephone companies.

In the A block, winning bidders defaulted only on the initial licenses for Guam (M050) and American Samoa (M051) and licenses that had been partitioned and disaggregated from the Des Moines, Iowa MTA (M032).

In the D and E blocks, nineteen (19) out of the (29) total markets impacted by license defaults involved terminations of partitioned and disaggregated portions of the initial licenses. The FCC had initially prohibited geographic partitioning of licenses in the PCS band to avoid the circumvention of its construction requirements, but provided an exception for rural telephone companies to encourage them to participate in the wireless market (a type of bidding preference).³⁷ The FCC ultimately terminated at least one license in every partitioned A, D, and E block market for the very reason it had prohibited partitioning generally – for failure to meet applicable construction requirements – which also meant that the firms the FCC intended to help were unable to meet FCC goals for participation in the wireless market.³⁸

Restricted PCS Auctions

The disastrous results of the initial C and F block auctions were just as defective as the failed assignment mechanisms that spectrum auctions had been intended to correct. Firms responsible for net winning bids in Auctions 5/10 defaulted on (77%) of the initial C block licenses and delayed regular service to eighty-two percent (82%) of the total population coverage in that block by a weighted average of six (6) years and ninety-eight (98) days.³⁹ In the initial auction of the PCS F block, firms defaulted on nineteen percent (19%) of the available licenses, which delayed regular service to twenty-three percent (23%) of the total population coverage in that block by a weighted average of seven (7) years and one hundred eighteen (118) days.⁴⁰ The FCC's failure to assign the C and F block spectrum to the most efficient firms delayed service to a total of sixty eight percent (68%) of the population coverage in those blocks (comprising one-third of the PCS spectrum) by a

weighted average of six years, nine months, and seventeen days.⁴¹

It required a combination of government amnesty, extensive litigation, and multiple auctions over a period of nearly ten years to reassign the defaulted initial PCS C and F block licenses to firms capable of providing service to the public.

Aftermath of PCS C and F Block Auctions

C Block Restructuring

The FCC became aware that many winning bidders of spectrum in the restricted C block had begun to experience financial difficulties prior to the close of Auction 11,⁴² and decided to suspend the deadlines for all C⁴³ and F⁴⁴ block installment payments while it considered its options.⁴⁵ In an effort to avoid mass defaults while maintaining the integrity of its auction processes, the FCC allowed C block licensees to restructure their obligations.⁴⁶ These licensees could either elect to resume payments under the terms of the original installment payment plan or choose among three restructuring options: (1) amnesty, (2) disaggregation, or (3) prepayment.⁴⁷

Amnesty - a licensee could surrender all of its C block licenses in a single MTA in exchange for forgiveness of its remaining payment obligations on those licenses and an opportunity to bid on those licenses again in a subsequent auction.

Disaggregation - a licensee could disaggregate a 30 MHz C block license into a 15 MHz C1 license and a 15 MHz C2 license and surrender the C2 block to the FCC in exchange for (1) forgiveness of its remaining payment obligations on the C2 license and (2) a credit toward payments on the C1 license equal to forty percent (40%) of its downpayment on the C2 license.

Prepayment - a licensee could surrender all of its C block licenses in a single MTA in exchange for a credit of seventy percent (70%) of its down payments for those licenses toward the prepayment of the entire principal owed for all 30 MHz licenses in a retained MTA. This option could be combined with disaggregation (i.e., a licensee could disaggregate its 30 MHz licenses, surrender the C2 licenses, and prepay only the principal owed for the C1 licenses it retained within a single MTA). If a licensee could not afford to pay the entire principal owed for all licenses in a retained MTA using only the seventy percent (70%) down payment credit, the licensee could choose which BTAs to surrender in the retained MTA.

The FCC required that C block licensees file written notice of their elections no later than June 8, 1998,⁴⁸ and that both C and F block licensees resume making installment payments on July 31, 1998.⁴⁹

The FCC determined that restructuring options were appropriate because some net bids in the restricted C block were substantially higher than net bids for similar spectrum in the unrestricted A and B blocks even after the FCC discounted net bids in the C block to account for the estimated value of government financing.⁵⁰ The FCC did not provide any restructuring options for F block licensees because net bids in the restricted F block were lower than net bids in the unrestricted D and E blocks.⁵¹ The difference in treatment between the C and F blocks indicates that the FCC forgave a portion of the obligations incurred by C block licensees to “correct” what the FCC perceived as “overbidding” by unqualified applicants with poor judgment.

Most C block licensees participated in the FCC election process, which resulted in (1) the prepayment of one C (30 MHz) and thirty C2 (15 MHz) licenses, and (2) the surrender of one hundred seventy-eight (178) C and one hundred thirty-three (133) C2 licenses. These surrendered licenses were re-auctioned in Auction 22, which closed on April 15, 1999. The surrendered licenses that sold in Auction 22 netted bids totaling \$396,140,285 – which is eighty-six percent (86%) less than the \$2.735 billion in net winning bids placed for the same licenses in Auctions 5/10.⁵²

Bankruptcy Proceedings

Several licensees filed petitions for bankruptcy in lieu of filing an election at the FCC.⁵³ The FCC responded by attempting to cancel the licenses stranded in bankruptcy proceedings. Several bankrupt licensees challenged the FCC’s authority to cancel their licenses, including NextWave Personal Communications, Inc., who had the highest aggregate net bids in Auctions 5/10. After the Second Circuit Court of Appeals issued a jurisdictional ruling that appeared favorable to the FCC,⁵⁴ the agency decided to reassign all reclaimed C and F block spectrum in Auction 35, including spectrum associated with canceled NextWave and Urban Comm licenses involved in ongoing bankruptcy litigation.⁵⁵

In response to several petitions, the FCC modified the bidding preferences applicable to the C and F blocks prior to Auction 35.⁵⁶ The FCC reconfigured each remaining 30 MHz C block license into three 10 MHz licenses (C3, C4, and C5) and divided all C block BTAs into two tiers according to population: Tier 1 is comprised of BTAs with populations equal to or greater than 2.5 million, and Tier 2 is comprised of the remaining BTAs.

Open bidding (i.e., bidding without eligibility restrictions) was allowed for all 15 MHz licenses (C1 and C2) and two of the three 10 MHz licenses (C4 and C5) in Tier 1 markets and for one of the 10 MHz licenses (C5) in Tier 2 markets. The remaining C block licenses remained closed to bidding by larger firms. The FCC also eliminated bidding credits for the closed C block licenses, and eliminated bidding restrictions on the F block altogether.⁵⁷ These revised bidding preferences are summarized in Table 3.

TABLE 3

LICENSE	ELIGIBILITY STATUS		MHZ
	Tier 1	Tier 2	
C1	Open	Closed	15
C2	Open	Closed	15
C3	Closed	Closed	10
C4	Open	Closed	10
C5	Open	Open	10
F	Open	Open	10

A total of four hundred twenty-two F block and reconfigured C block licenses were offered in Auction 35, which were comprised of 122 unrestricted (or “open”) licenses and 137 restricted (or “closed”) licenses.⁵⁸

Auction 35 closed on January 26, 2001, with \$16.857 billion dollars in net bids. The 259 licenses for spectrum involved in the ongoing NextWave (216 licenses) and Urban Comm (43 licenses) bankruptcy proceedings accounted for \$16.318 billion (97%) of the total net bids in Auction 35.⁵⁹

Shortly after Auction 35 closed, the United States Court of Appeals for the District of Columbia Circuit ruled that the FCC lacked authority to cancel

the NextWave licenses, a ruling that was affirmed by the Supreme Court in January 2003.⁶⁰ These rulings forced the FCC to reinstate the NextWave licenses⁶¹ and refund the down payments made by the winning bidders of those licenses in Auction 35.⁶² *As a result, \$16.318 billion in net winning bids from Auction 35 were never paid to the U.S. Treasury.*

The government settled its six-year dispute with NextWave in April 2004.⁶³ NextWave paid the government \$714 million in proceeds from a private sale of NextWave licenses to Cingular Wireless, agreed to pay another \$386 million from other potential license sales, and agreed to surrender sixty C block and two F block licenses to the FCC. The government retained NextWave’s original downpayment of approximately \$500 million and agreed to allow NextWave to retain some of its C block licenses. The settlement provided the Treasury with payments totaling approximately \$1.6 billion of NextWave’s original \$4.8 billion in net bids.

After settling with NextWave, the FCC announced Auction 58, its last significant PCS band auction.⁶⁴ As it had prior to Auction 35, the FCC received several petitions asking it to remove the remaining eligibility restrictions applicable to licenses in the C block.⁶⁵ This time the FCC dismissed the petitions due to their potential to create additional uncertainty in the C block, which could further delay service to the public.⁶⁶

Auction 58 closed on February 15, 2005, with net bids totaling \$2.043 billion.

Forfeited PCS Auction Revenues

The FCC has previously reported that the U.S. Treasury actually received only \$19.1 billion in net

bids placed in the first sixty-eight spectrum auctions (excluding the initial auction of AWS-1 spectrum in Auction 66).⁶⁷ Bidders in those auctions placed approximately \$45 billion in net winning bids, which indicates that approximately \$26 billion in net winning bids were forfeited. Although the data necessary to identify these forfeited bids with precision is not publicly available, public data indicates that most of this forfeited revenue is attributable to license defaults caused by bidding restrictions in the initial PCS C and F block auctions.⁶⁸ The \$16.318 billion in forfeited net bids from Auction 35 accounts for approximately sixty-two percent (62%) of the total forfeitures identified by the FCC. When the forfeited net bids from Auction 35 are considered with the difference between the amount bid for the C block licenses in Auctions 5/10 and the amounts actually received from re-auctions, the PCS C block alone accounts for approximately seventy-nine percent (79%) of the \$26 billion in forfeited net bids in the first 68 FCC auctions.

Defaults impacted \$8.2 billion in net winning bids in the initial C block auction. The impacted licenses were eventually re-auctioned (generally receiving lower bids than in the initial auction) or assigned by bankrupt licenses to other firms without being re-auctioned. As a result, of the \$8.2 billion in net bids impacted by defaults, approximately \$2.9 billion was permanently forfeited.⁶⁹

Although the government was able to recover a portion of the forfeited net bids through re-auctions, settlements, and debt collection procedures, payment of the recovered funds to the U.S. Treasury was delayed in similar proportion to the delays in service to the public.⁷⁰ As recently as 2012, the FCC was still issuing letters attempting to col-

lect debts arising from the initial C block auction – *seventeen years* after Auction 5 closed.⁷¹

In comparison, license defaults impacted only \$6.487 million (*not* billion) in net winning bids in the initial auctions of all the other relevant mobile spectrum blocks and bands combined (i.e., the other blocks in the PCS band and the AWS-1 and 700 MHz bands) – a difference of several orders of magnitude in forfeited revenue.

The AWS-1 and 700 MHz Bands

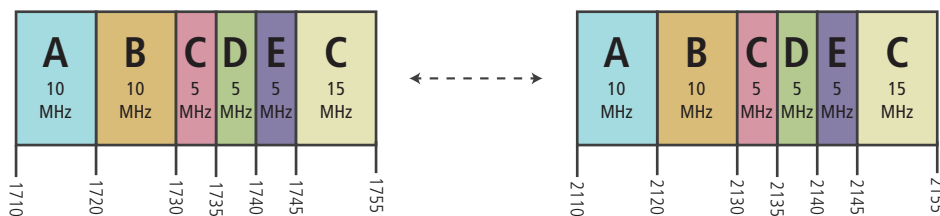
Since the initial PCS auctions, the FCC has auctioned mobile spectrum on a nationwide basis only in the unrestricted AWS-1 and 700 MHz bands. Like the auctions for the unrestricted blocks in the PCS band, the unrestricted AWS-1 and 700 MHz auctions were generally successful in assigning licenses to firms capable of providing timely wireless service to the public.

The AWS-1 Band and Initial Auction

The FCC assigned the initial AWS licenses (known as AWS-1) in Auction 66, which offered 1,122 licenses in six blocks (A through F) with fifteen-year license terms.⁷² Block A was assigned on the basis of seven hundred thirty-four (734) Cellular Market Areas (CMAs),⁷³ blocks B and C were assigned on the basis of one hundred seventy-six (176) Economic Areas (EAs), and blocks D, E, and F were assigned on the basis of twelve (12) Regional Economic Area Groupings (REAGs).⁷⁴

Licensees in the AWS-1 band are required to meet the “substantial service” standard for buildout at some point during their fifteen-year license term.⁷⁵ “Substantial service” is defined as “service which is sound, favorable and substantially above a level of mediocre service which just might minimally warrant renewal.”⁷⁶

AWS-1 Band Plan



The FCC offered bidding credits to “small” (15%) and “very small” (25%) businesses and tribal land bidding credits (i.e., credits for serving federally-recognized tribal lands that otherwise lack service).⁷⁷ It did not impose any eligibility restrictions on any blocks in the AWS-1 band or offer government financing.

Auction 66 closed on September 18, 2006 with \$13.700 billion in net bids. There have been no license defaults in the AWS-1 band.

The 700 MHz Band and Initial Auctions

The 700 MHz band occupies spectrum that was formerly allocated for broadcast television channels 52 through 69. The FCC reallocated analog television channels 60 through 69 (60 MHz) to new wireless services (the “Upper” 700 MHz band) pursuant to a Congressional mandate in the Balanced Budget Act of 1997 (Budget Act).⁷⁸ The FCC subsequently reallocated an additional 48 MHz of analog television spectrum in channels 52 through 59 (the “Lower” 700 MHz band)⁷⁹ to new wireless services pursuant to a Congressional direction to “reclaim and organize” an unspecified amount of additional analog television channels.⁸⁰ The spectrum suitable for commercial mobile broadband services in the 700 MHz band is currently comprised of

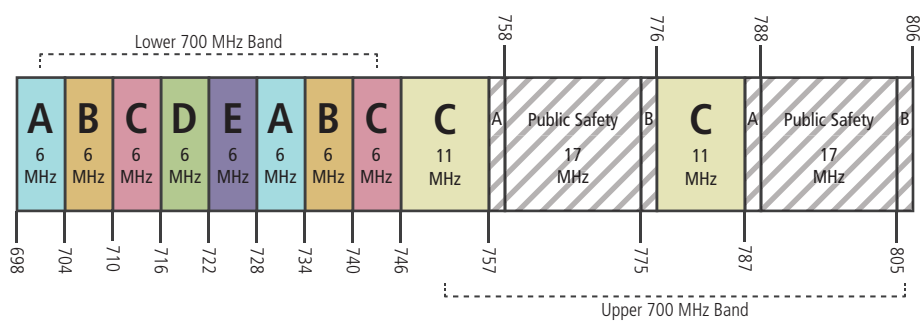
block C in the Upper band and blocks A through E in the Lower band,⁸¹ which are licensed on the basis of CMAs, EAs, REAGs, and Economic Area Groupings (EAGs).⁸²

The Lower C and D blocks were initially assigned in Auction 44, which closed on September 18, 2002, with net bids of \$88.7 million. The remaining commercial mobile spectrum in the 700 MHz band was assigned in Auction 73, which closed on March 18, 2008 with net bids of \$18.958 billion.

The FCC applied different buildout requirements and bidding credits to the spectrum blocks assigned in Auction 73 than it had applied to the blocks in Auction 44.

Licensees in the Lower 700 MHz C and D blocks sold in Auction 44 must meet the “substantial service” standard.⁸³ The FCC has established “safe harbors” for the Lower 700 MHz band to “alleviate concerns that the ‘substantial service’ requirement is overly vague.”⁸⁴ A licensee in the Lower 700 MHz C and D blocks would be considered to be

700 MHz Band Plan



providing “substantial service” in its licensed service area if it (1) builds four permanent links per one million people (when fixed, point-to-point service is offered); (2) demonstrates coverage of 20 percent of the population (when the licensee offers either mobile services or fixed, point-to-point service); or (3) provides coverage to at least 75 percent of the geographic areas of at least 20 percent of the “rural areas” within its licensed area.⁸⁵

When the service rules for the 700 MHz band were revised in 2007, the FCC adopted significantly more stringent buildout requirements for the remaining 700 MHz blocks to “better promote access to spectrum and the provision of service.”⁸⁶ For the licenses based on CMAs and EAs (the Lower A, B, and E blocks), licensees must provide signal coverage and offer service to at least (1) thirty-five percent (35%) of the geographic area of their license within four years of the end of the DTV transition and (2) seventy percent (70%) of the geographic area of their license at the end of the license term.⁸⁷ For the Upper C block license based on REAGs, licensees must provide signal coverage and offer service to at least (1) forty percent (40%) of the population in each EA in its license area within four years and (2) seventy-five percent (75%) of the population of each of these EAs at the end of the license term.⁸⁸ A licensee who fails to meet the interim requirement will have its license term reduced by two years (from 10 to 8 years), and failure to meet the end-of-term requirement results in automatic termination of the unused portions of the license.⁸⁹

The FCC offered bidding credits to “small” (15%) and “very small” (25%) businesses and tribal land bidding credits for all 700 MHz licenses in both Auctions 44 and 73. For the Lower 700 MHz band C block only, the FCC also offered a thirty-five

percent bidding credit to firms with average annual gross revenues of not more than \$3 million in the preceding three years.⁹⁰ The FCC did not impose eligibility restrictions on any of the blocks in the 700 MHz band.

There have been no license defaults in the Upper 700 MHz C block or the Lower 700 MHz A, C, D, and E blocks. All of the license defaults in the 700 MHz band (nine in total) involved licenses in the B block won by three small firms who received bidding credits and proved unable (1) to pay their down payments (eight licenses) or (2) to meet the buildout requirements associated with tribal land bidding credits (one license).⁹¹ These license defaults have delayed regular service to one-half of one percent (0.5%) of the total population coverage in the 700 MHz B block.⁹²

Comparison of Service Delays in Restricted and Unrestricted Auctions

The failure of bidding restrictions to assign the C and F block spectrum to firms capable of serving the public delayed service to a total of sixty eight percent (68%) of the population coverage in one-third of the PCS spectrum by a weighted average of six years, nine months, and seventeen days, whereas license defaults in all unrestricted mobile bands *combined* have delayed service to less than one-half of one percent of the covered population.

It would be a mistake to attribute this significant difference in performance primarily to the availability of government financing in the initial auctions of the PCS C and F blocks rather than the restrictions on the eligibility of large firms. Though missed installment payments were the most direct cause of many license defaults in these blocks, the FCC found that government financing

alone cannot explain the results of Auctions 5/10.⁹³ Former FCC Chairman Reed Hundt attributed the high number of license defaults in the PCS C block to “overbidding” caused by “irrational exuberance.”⁹⁴ Another possibility is that small firms had difficulty valuing the C block licenses in the absence of price signals from larger and more sophisticated bidders who were prevented from participating due to eligibility restrictions. It is not necessary, however, to determine the specific cause of the financial problems plaguing the winning bidders in the PCS C and F blocks to attribute their license defaults to bidding restrictions: The rash of bankruptcies and license surrenders is evidence that most defaulters would have been unable to meet their buildout requirements and provide timely service to the public even if the FCC had given them the licenses for free.⁹⁵

If you leave the lid off a honey pot, you should expect to attract flies; the particular flavor is less relevant than the fact that the lid is off.⁹⁶ The FCC affirmatively intended that eligibility restrictions result in the assignment of licenses to comparably less efficient firms,⁹⁷ and it expected that there would be more license defaults in the restricted C and F blocks than in the unrestricted blocks.⁹⁸ But it badly misjudged the *extent* to which bidding restrictions that “ensure” a particular group of firms are assigned spectrum in an auction would distort efficient, market-based outcomes. The FCC’s error was in believing that it could achieve an appropriate “balance” of interests in spectrum auctions by preventing the most productive bees from bidding⁹⁹ – a belief that contradicts the *purpose* of spectrum auctions. The disastrous results of the initial PCS C and F block auctions demonstrate that imposing eligibility restrictions on bees

attracts too many flies, which is more likely to spoil the hive than to increase the honey supply for everyone.

PART IV: Substantial Reductions in Government Revenue

A comparison of total net winning bids for restricted spectrum and unrestricted spectrum in Auction 11 demonstrates that eligibility restrictions reduce auction revenues by at least thirty-one percent (31%) – which is the difference between the total net bids for the restricted F block and the average net bids for the unrestricted D and E blocks.

Auction 11 is the *only* spectrum auction in which the FCC offered both restricted and unrestricted spectrum blocks with identical bandwidth and licensing areas on a nationwide basis. Because bidding preferences were the only variable distinguishing the restricted F block from the unrestricted D and E blocks in Auction 11, and because installment payments and bidding credits both provide incentives for smaller firms to place *higher* bids than they otherwise would, eligibility restrictions offer the most plausible explanation for the significantly lower total net bids placed on the restricted F block as compared to the D and E blocks.

The fact that installment payments and bidding credits would have tended to offset the reduction in net bids caused by eligibility restrictions indicates the thirty-one percent (31%) reduction in net bids in the F block understates the extent to which eligibility restrictions reduce auction revenue.¹⁰⁰ Discounting net bids in the F block to account for the value of government financing indicates that eligibility restrictions reduced net bids by up to sixty-one percent (61%).¹⁰¹ Assum-

ing the incentive auction would generate approximately \$19 billion in net bids without eligibility restrictions,¹⁰² restricting the bidding on one-half of the available spectrum would reduce auction revenues in the restricted spectrum by a *minimum* of \$2.945 billion and as *much* as \$5.795 billion. These reductions represent from forty-two to eighty-three percent (42-83%) of the incentive auction revenue designated by Congress for public safety.

Some have argued that bidding restrictions could increase total auction revenue by increasing the scarcity of spectrum available to Verizon and AT&T. Though this argument is plausible in some circumstances, it contradicts the DOJ's justification for imposing eligibility restrictions. The DOJ's foreclosure theory presumes that Verizon and AT&T have relatively low use values for the spectrum (i.e., that they do not actually need additional spectrum).¹⁰³ Assuming the DOJ is correct, the low use value assigned to the spectrum by Verizon and AT&T would limit their incentives to engage in a "bidding war" with one another for the unrestricted spectrum, especially when their primary competitors are likely to acquire restricted spectrum at below-market prices. If bidding restrictions are truly necessary to prevent strategic behavior, the government should expect that the auction would produce less revenue than would otherwise be expected, which would discourage participation by broadcasters in the reverse auction.

PART V: No Substantial Benefits to Competition

The FCC imposed bidding restrictions on large firms in the PCS C and F block auctions in an effort to promote sustained competition in the PCS

band by small firms and to prevent strategic behavior (e.g., foreclosure) by large firms.¹⁰⁴ These restrictions did not, however, result in widespread long-term participation by small firms in the wireless industry.

Most small firms that won restricted spectrum licenses in the C and F block sold their licenses to large entities after the restrictions on resale expired. Today small firms (i.e., firms other than the four largest wireless firms) hold only sixteen percent (16%) of the spectrum in the C block and thirteen percent (13%) of the spectrum in the F block (calculated on a MHz-pops basis). The difference between the spectrum holdings of small firms in the C and F blocks and in the unrestricted PCS blocks does not exceed twelve percent (12%).

The lack of significant variation among the percentages of large and small firm ownership in both the restricted and unrestricted PCS blocks demonstrates empirically that, in roughly equal proportions, (1) small firms were capable of obtaining similar amounts of spectrum by value in the unrestricted blocks without any government assistance (there were no bidding preferences of any kind in the initial auctions of the A, B, D, and E blocks), and (2) small firms who acquired spectrum in the restricted PCS C and F blocks sold the most valuable licenses to large firms.

The empirical results of this Coasian bargaining¹⁰⁵ indicate that the only long-term consequence of the eligibility restrictions in the PCS band was the economic harm they caused to consumers, wireless firms, and the U.S. Treasury by delaying the delivery of new wireless services to the public, reducing government revenue, and imposing transactions costs through the myriad of secondary markets transactions necessary to correct the inef-

efficient assignment of spectrum in the initial PCS C and F block auctions.

PART VI: The Costs of Bidding Restrictions Would Outweigh the Benefits

The FCC responded to the costs imposed by the initial C and F block auctions by adopting a stringent standard for determining when eligibility restrictions are appropriate that is designed to ensure that their potential benefits outweigh their potential costs. This revised standard requires the FCC to determine that unrestricted eligibility “would pose a significant likelihood of substantial harm to competition in specific markets” and that “an eligibility restriction would be effective in eliminating that harm.”¹⁰⁶ The FCC concluded that this “is a more discerning standard than the substantial market power standard,”¹⁰⁷ and rejected the notion that eligibility restrictions should be imposed whenever incumbent firms possess the incentive and ability to purchase licenses to prevent the entry of a competitor (i.e., there must also be evidence that such behavior is likely to occur and that eligibility restrictions would be effective in eliminating its occurrence).¹⁰⁸ The FCC adopted a stringent standard because, as this study demonstrates, excluding particular types of bidders “risk[s] reducing the likelihood that the party valuing the license the most will win the license and put it to use for the benefit of the public” – an “unavoidable uncertainty” whenever eligibility restrictions are imposed – and there are benefits to providing large firms with an opportunity to participate in unrestricted auctions.¹⁰⁹

The FCC employs a similar standard when determining the extent to which it should limit overall spectrum aggregation. The spectrum aggregation

rules are designed to prevent a firm from aggregating sufficient amounts of spectrum to unilaterally or in combination exclude efficient competitors, reduce the quantity of service available to the public, and increase prices to the detriment of consumers.¹¹⁰ Similar to the standard for eligibility restrictions, this standard requires credible economic evidence of the potential for harm and that a particular spectrum aggregation limit is an appropriate remedy.¹¹¹ The Sixth Circuit Court of Appeals has held that the goals of avoiding an “excessive concentration” of licenses and promoting competition are legally insufficient to justify a limit on spectrum aggregation or auction participation.¹¹² FCC findings that the market is “less than optimally competitive” and “broadly stated fears” are not enough to justify restrictions that “have such a profound effect on the ability of businesses to compete in the twenty-first century technology of wireless communications.”¹¹³

The FCC has indicated in *dicta* that there is a distinction between eligibility restrictions and spectrum aggregation limits.¹¹⁴ Given that the purpose of both requirements is the same (to avoid competitive harm), when a “spectrum aggregation limit” has the same effect as an “eligibility restriction”, the difference is in name only. The Sixth Circuit Court of Appeals treated them synonymously when it remanded the cellular/PCS cross-ownership limitation (a form of spectrum aggregation limit) as arbitrary and capricious for failure to provide a rational economic justification prior to the PCS auctions:

While avoiding excessive concentration of licenses certainly is a permissible goal under the Communications Act, simply precluding a class of potential licensees from obtaining licenses (without a supported

economic justification for doing so) solves the problem arbitrarily. The FCC must supply a reasoned basis for its decision. The need to avoid “excessive concentration of licenses” does not provide the requisite “reasoned basis.” Without any economic rationale, the Cellular eligibility rules are nothing more than an arbitrary regulation of who may bid on which Personal Communications Service licenses.¹¹⁵

There is no rational distinction between a limit on “spectrum aggregation” and an “eligibility restriction” in circumstances in which the intent and substantive effect of government action is to limit the participation of particular bidders in an auction of new spectrum.

There is No Evidence of Any Potential for Harm in the Incentive Auction

Even assuming there is a substantive difference between these standards, the DOJ’s reasons for restricting the participation of Verizon and AT&T in the incentive auction fail to meet either. Both standards require a showing of competitive *harm* – something the DOJ did *not* identify in its filing at the FCC. The DOJ found only that ensuring Sprint and T-Mobile acquired spectrum in the incentive auction “could improve the competitive dynamic among nationwide carriers.”¹¹⁶ The potential to *improve* competition is not equivalent to a significant likelihood of *harm* to competition. Equating the two would, in effect, change the standard of review for both eligibility restrictions and spectrum aggregation limits from “do no harm to competition” to “do things that could improve competition,” a speculative standard that the Sixth Circuit Court of Appeals has previously dismissed as arbitrary and capricious.¹¹⁷ No mat-

ter what the outcome, the competitive choices offered by Sprint and T-Mobile today would not be harmed by the incentive auction.

No Evidence of Harm to Consumer Choice

It is not surprising that the DOJ refused to make a finding of harm in its filing at the FCC. The principles of reasoned decision-making and estoppel preclude the FCC and DOJ from finding that an unrestricted incentive auction would pose a significant likelihood of substantial harm to consumer choice based on the notion that Sprint and T-Mobile require additional spectrum below 1 GHz to compete effectively against Verizon and AT&T. As the FCC and the DOJ have both found after exhaustive analyses of granular market data, wireless firms can compete effectively on a nationwide basis without spectrum below 1 GHz.

In the AT&T/T-Mobile proceeding, FCC found that, despite T-Mobile’s reliance primarily on spectrum above 1 GHz, if AT&T were to raise prices, “enough customers would instead select a product offered by T-Mobile or some other firm as to make the price increase unprofitable.”¹¹⁸ Similarly, in its federal court filing to block the same merger, the DOJ found that, “Due to the advantages arising from their scale and scope of coverage, each of the Big Four nationwide carriers [i.e., Verizon, AT&T, Sprint, and T-Mobile] is especially well-positioned to drive competition, at both a national and local level, in this industry.”¹¹⁹ “Each” of these four firms could hardly be “well-positioned” to “drive competition” if half of them require government subsidies to compete in the incentive auction; conversely, it would be irrational to conclude that Sprint and T-Mobile would be unable to compete effectively without additional spectrum below one

GHz if they are already “well-positioned” to “drive competition” in the mobile market.

The FCC is also estopped from finding that an unrestricted incentive auction would pose a significant threat to the ability of Sprint and T-Mobile to expand their networks in the future. Both Sprint and T-Mobile have recently strengthened their competitive positions and their ability to expand their networks by acquiring substantial amounts of investment, spectrum, and new subscribers in the capital markets and secondary markets for spectrum.

- T-Mobile recently acquired substantial spectrum holdings in the PCS, AWS-1, and 700 MHz bands and 8.9 million subscribers from MetroPCS,¹²⁰ as well as substantial AWS-1 spectrum and a seven-year roaming deal from AT&T that expanded T-Mobile’s coverage by approximately twenty percent (20%).¹²¹ Deutsche Telekom, the German firm that owns T-Mobile, announced that it would invest \$4.7 billion in T-Mobile this year and another \$6 billion over the next two years.¹²²
- Sprint recently acquired substantial spectrum in the 2.5 GHz band and 1.4 million subscribers from Clearwire, as well as \$21.6 billion in investment (including \$5 billion in direct capital investments to expand its network) from SoftBank, a Japanese company that invests in Internet-based companies throughout the world.¹²³

In the T-Mobile/MetroPCS proceeding, the FCC agreed with T-Mobile’s testimony that the additional spectrum it was acquiring would allow it to offer “a larger network with fewer capacity constraints [and] better in-building coverage,” and to deploy enhanced LTE service “over a larger geographic area.”¹²⁴ In its order authorizing the trans-

action, the FCC found that T-Mobile “can expand output relatively *inexpensively*.”¹²⁵

Similarly, in the Sprint/Softbank proceeding, the FCC agreed with Sprint’s testimony that the transaction would allow it to “accelerate its deployment of LTE by expanding its network to include various spectrum bands in additional markets” and would enhance the utility of Clearwire’s 2.5 GHz spectrum, which has been underutilized.¹²⁶

These findings, which were both made within the last year, cannot be reconciled with the notion that unrestricted eligibility in the incentive auction would “would pose a significant likelihood of substantial harm to competition.”

As the Progressive Policy Institute recently noted, sophisticated foreign investors would not be willing to invest such substantial sums in these firms if they were unable to compete effectively without additional spectrum below one GHz, and it is too speculative to assume these investments were premised on the unpredictable outcomes of FCC regulatory proceedings and the results of the upcoming incentive auction. Given the recent factual findings of the FCC and DOJ, there is no rational justification for insulating these particular firms from a competitive auction.

No Evidence that Foreclosure Is Significantly Likely to Occur

In its FCC filing, the DOJ expressed concern that the foreclosure value of spectrum may provide firms with incentives to acquire spectrum primarily to foreclose its use by their competitors. This theory relies on the notion that the “private value” of spectrum (the amount a firm is willing to bid) equals its “use value” (the value derived from the firm’s use of the spectrum to meet consumer

demand) plus its “foreclosure value” (the value derived from the exclusion of its use by rivals).¹²⁷ The DOJ expressed concern that, if spectrum were acquired for its foreclosure value rather than its use value, the spectrum would be used inefficiently.¹²⁸

The DOJ recommended that the FCC remedy the potential for foreclosure by imposing bidding restrictions on Verizon and AT&T to “ensure” Sprint and T-Mobile win spectrum in the incentive auction.¹²⁹ This recommendation stems from the DOJ’s assumption that Verizon and AT&T are significantly likely to engage in foreclosure because they possess “at least some degree of market power.”¹³⁰

The fatal flaw in the DOJ’s reasoning is the lack of any rational connection between the likelihood of foreclosure to occur and the possession of “some degree” of market power in the abstract. The potential for foreclosure is inherent in all markets with scarce inputs, and *all* firms, including Sprint and T-Mobile, derive some degree of foreclosure value from the acquisition of exclusive spectrum rights. The relative use and foreclosure values of different firms vary according to market circumstances, including the specific circumstances of each firm.¹³¹

Determining whether any particular firm is likely to pursue a foreclosure strategy at auction would require an in-depth analysis of *both* the use and foreclosure values of the spectrum to each potential bidder based on market circumstances and their business plans. A determination regarding potential foreclosure values *only* is insufficient to justify the imposition of bidding restrictions. When considering the benefits of spectrum assignments to consumer welfare (and not to partic-

ular competitors), the relative *use* values of potential bidders are *determinative*. An eligibility restriction would be justified only if the analysis revealed a significant likelihood that one or more firms are significantly likely to engage in a foreclosure strategy *and* have lower use values than other potential bidders.¹³²

The various combinations of relative use (uV) and foreclosure values (fcV) among the hypothetical set of “large” and “small” firms depicted in Table 4 is illustrative.

TABLE 4

SCENARIO	LARGE FIRMS		SMALL FIRMS	
	uV	fcV	uV	fcV
1	Higher	Lower	Lower	Higher
2	Higher	Higher	Lower	Lower
3	Lower	Higher	Higher	Lower
4	Lower	Lower	Higher	Higher

Scenario 1 depicts market circumstances in which large firms have the highest use values and small firms have the highest foreclosure values (i.e., the greatest incentives to foreclose the use of spectrum by their larger rivals¹³³) – circumstances in which there is little likelihood of foreclosure. In Scenario 2, the fact that large firms also have higher foreclosure values than small firms is *irrelevant* from the perspective of consumers. Assigning the spectrum to large firms in this scenario would still maximize consumer welfare because firms with the highest use values are the most likely to deploy high-quality services to the public on a timely basis irrespective of the relative foreclosure values among bidders.

The DOJ erred by *assuming* that the use values of Verizon and AT&T are lower than the use values of Sprint and T-Mobile, i.e., that in the current market, Scenario 3 applies rather than Scenarios 1 or 2. It presumed that, “absent compelling evidence that the largest incumbent carriers are already using their existing spectrum licenses efficiently and their networks are still capacity-constrained,” it would “normally expect” that rivals who could “effectively make use of additional spectrum” would have higher use values for new spectrum.¹³⁴ This is neither a rational legal standard for determining whether there is a significant likelihood of foreclosure nor a reasoned policy basis for limiting the participation of Verizon and AT&T in the incentive auction.

The use of a presumption in this manner is irrationally discriminatory. To rebut the DOJ presumption and avoid the imposition of eligibility restrictions, Verizon and AT&T would be required to affirmatively demonstrate that they are using their current spectrum “efficiently” and their networks are currently capacity constrained. In contrast, the DOJ presumption regarding the use values of Sprint and T-Mobile is toothless. The DOJ would *not* require these firms to demonstrate the efficiency of their current spectrum use or capacity constraints. Instead, they would be required to show only that they could make “effective” use of new spectrum in the indeterminate future.

The DOJ did not provide any explanation for its “normal expectation” that Sprint and T-Mobile have the highest use values for spectrum in the incentive auction or why the appropriate evidentiary standard for those firms should be “effective use in the future” rather than “efficient use today.” It did not explain its reasoning for presuming Verizon and AT&T are using their spectrum ineffi-

ciently absent “compelling evidence” to the contrary, which, at a minimum, impermissibly shifts the burden of proof established by Congress.¹³⁵ And it offered no guidance regarding the levels of efficient spectrum use and capacity constraints that would be necessary to rebut the presumption against Verizon and AT&T.

The DOJ also failed to provide any evidence (1) that Verizon and AT&T are using their spectrum less efficiently than Sprint and T-Mobile, (2) that the networks operated by Verizon and AT&T are less capacity constrained than those operated by Sprint and T-Mobile, or (3) that Sprint and T-Mobile could (or would) “effectively make use of additional spectrum” (assuming that is an appropriate evidentiary standard).

In the absence of credible, legally sustainable evidentiary standards and actual evidence meeting those standards, the DOJ’s “normal expectations” regarding spectrum use values are no more convincing than the FCC’s “broadly stated fears” concerning cross-ownership of cellular/PCS spectrum – fears that did not survive judicial scrutiny.¹³⁶

The most likely explanation for the DOJ’s failure to provide a rational explanation or actual evidence supporting its assumptions regarding the relative use values of spectrum to the four largest wireless firms is that the DOJ is not capable of accurately assessing spectrum use values. Congress authorized competitive bidding to determine the use values of spectrum to particular firms precisely because bureaucratic agencies had proven incapable of performing that task efficiently: The very purpose of spectrum auctions is to determine which firms value the use of the spectrum most highly.¹³⁷ If the DOJ could accurately and efficiently assess the use values of spectrum to partic-

ular firms, there would be no need to hold spectrum auctions.

Restricting the Eligibility of Verizon and AT&T Would Be Ineffective

Even if the FCC could articulate a basis for a finding of substantial harm that is consistent with its recent factual findings regarding the competitive capabilities of Sprint and T-Mobile, it would have to demonstrate that an eligibility restriction would be effective in eliminating the harm – a standard the DOJ proposal does not meet. There is no evidence that restricting the eligibility *only* of Verizon and AT&T to participate in the incentive auction is necessary or would be effective in eliminating the potential for foreclosure.

The DOJ theorizes that foreclosure would be particularly valuable to Verizon and AT&T because the frequencies to be auctioned are below 1 GHz.¹³⁸ Frequencies in this range tend to propagate further and penetrate walls better, which the DOJ considers particularly important for a firm's ability to compete efficiently in rural areas. According to the DOJ, Verizon and AT&T currently have “the vast majority” of such spectrum whereas Sprint and T-Mobile have “virtually none.”¹³⁹ For these reasons, the DOJ recommends that the FCC “devise policies that address the allocation of low-frequency spectrum in particular so that acquisitions of such spectrum do not hamper the ability of carriers to compete *in markets where that spectrum is important.*”¹⁴⁰ The DOJ implies that these policies would include the creation of a separate, nationwide limit on the aggregation of mobile frequencies below 1 GHz that would uniquely impact Verizon and AT&T and “ensure” Sprint and T-Mobile acquire additional spectrum.¹⁴¹

Even if the sub-1 GHz spectrum theory has some merit, it would not support the imposition of restrictions on Verizon and AT&T only. First, the single statistic regarding low-frequency spectrum holdings cited by the DOJ is outdated, and when applied to competitive concerns on a nationwide basis, is misleading. Second, the DOJ fails to recognize the incentives for Sprint and T-Mobile to engage in foreclosure against other firms (i.e., the proposed remedy is *under*-broad). Finally, the DOJ's proposed remedy is *over*-broad because it makes no attempt to account for variations in spectrum holdings among specific markets or the different competitive dynamics between urban and rural markets.

Low-Frequency Spectrum Holdings

The DOJ's findings regarding low-frequency spectrum holdings are outdated and misleading in the context of its proposal. The DOJ cited a 2011 FCC report to support its assertion that Verizon and AT&T have the “vast majority” of low-frequency spectrum,¹⁴² and offered no evidence at all to support its assertion that Sprint and T-Mobile have “virtually none.”¹⁴³ The FCC report actually says:

*Three nationwide providers – Verizon Wireless, AT&T, and Sprint Nextel – hold licenses for CMRS/mobile broadband spectrum below 1 GHz, as do regional providers, such as US Cellular and Cellular South, MetroPCS, and several smaller companies, many of which have holdings in more rural areas of the country.*¹⁴⁴

There are also *three* low-frequency mobile spectrum bands: The Cellular band, the 700 MHz band, and the Specialized Mobile Radio (SMR) band. The FCC report noted that Verizon held forty-five percent (45%) and AT&T held approxi-

mately thirty-three percent (33%) of the “licensed MHz-POPs” of the combined Cellular and 700 MHz band spectrum, and Sprint held approximately ninety-three percent (93%) of the spectrum in the SMR band (including at least 14 MHz in a contiguous block across much of the nation).¹⁴⁵

During the time period covered by the 2011 FCC report, the SMR spectrum was subject to technical limitations that prevented the deployment of mobile broadband networks in the band. Today, however, this low-frequency spectrum is capable of supporting the same technologies and providing the same services as spectrum in the low-frequency Cellular and 700 MHz bands. In May 2012, nearly a year before the DOJ proposed bidding restrictions for the incentive auction, the FCC removed legacy technical limitations on the SMR band to enable Sprint to “deploy competitive wireless services” in response to consumer demand, including in “rural, unserved, and underserved areas.”¹⁴⁶ Sprint shut down its wireless services in this band on June 30, 2013,¹⁴⁷ and is now deploying the most advanced wireless technology (LTE) available in this spectrum.¹⁴⁸

Assuming coverage concerns related to spectrum propagation characteristics are enough to justify the imposition of eligibility restrictions, such restrictions would not be effective unless they were applied to all firms that have a similar incentive and ability to engage in foreclosure and that hold substantial spectrum below 1 GHz. The DOJ ignored the fact that Sprint already holds a nationwide, contiguous block of mobile broadband spectrum below 1 GHz, and is likely to have the ability and incentives similar to Verizon and AT&T to engage in foreclosure against T-Mobile. Assuming low-frequency spectrum is competitively relevant,

Sprint would stand to gain as much from preventing T-Mobile from acquiring such spectrum as the two largest firms and could engage in a foreclosure strategy with less risk if it could bid on restricted spectrum without the potential for competition from Verizon and AT&T. In these circumstances, an eligibility restriction that excluded Sprint would not be effective in eliminating the potential for foreclosure based on coverage concerns related to the propagation characteristics of spectrum below 1 GHz.

In addition to being outdated, the statistic underlying the DOJ’s factual assertion regarding spectrum holdings below 1 GHz is misleading in this context. The FCC has recently adopted the practice of reporting wireless spectrum holdings on a nationwide basis weighted by population using the “MHz-pops” metric. This metric is calculated by multiplying the population of the license service area by the amount of spectrum authorized by the license. It is typically used to calculate a price per MHz-pop (or MHz-pop price), a measure that is typically used to value spectrum licenses based on their potential population coverage.¹⁴⁹

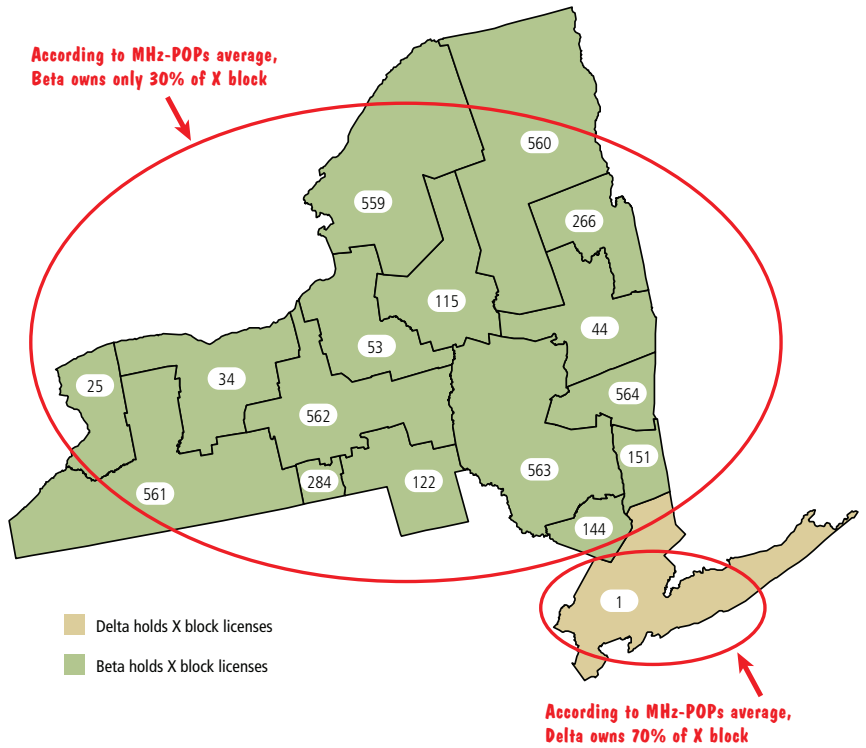
Though population-weighted averages are useful for valuing spectrum licenses, nationwide aggregated spectrum values are of limited relevance to competitive analysis in specific markets because they skew the statistical percentage of spectrum holdings within a given band significantly higher for firms that hold licenses primarily in densely populated urban areas. A hypothetical example of population-weighted spectrum holdings in CMA licenses areas in the State of New York demonstrates how misleading this statistic can be when it is applied to competitive concerns based on spectrum aggregation.

Assume that firm “Delta” and firm “Beta” both hold spectrum in block “X” in different Cellular Market Areas (CMAs) in New York State (i.e., both companies own the same amount of spectrum bandwidth in absolute terms but in different geographic licensing areas). Specifically, assume that Delta holds the X block license in CMA001 (covering New York City and Newark, New Jersey), and Beta holds the X block licenses in the remaining sixteen CMAs in the State of New York, including all six Rural Service Areas. Calculating their spectrum holdings in block X on a statewide basis by *value* (i.e., using MHz-pops) indicates that Delta holds seventy percent (70%) of the X block spectrum and Beta holds only thirty percent (30%) of the spectrum.¹⁵⁰

Based on the DOJ’s reasoning, Delta holds the “vast majority” of spectrum in New York State. The fact that Delta could not offer facilities-based service or expand coverage at all outside the New York City area demonstrates the absurdity of the DOJ’s reliance on nationwide, population-weighted averages to conclude that, absent bidding restrictions, the incentive auction would pose “a significant likelihood of substantial harm to competition in *specific markets*.”¹⁵¹

It is particularly absurd when the alleged harm the DOJ is attempting to prevent is most likely to occur in sparsely populated rural areas. As the DOJ acknowledged in its FCC filing, frequencies above 1 GHz are “just as effective as low-frequency spectrum” when a firm is augmenting *capacity* in

New York State Hypothetical



dense urban areas.¹⁵² When *coverage* is the primary competitive concern, relying on a spectrum measurement that emphasizes higher population densities is irrational.

The Proposed Remedy Is Under-Broad

The DOJ’s proposed remedy for spectrum foreclosure in frequencies below 1 GHz would also be ineffective because it fails to recognize the incentives for Sprint and T-Mobile to engage in foreclosure against other firms based on *capacity* concerns.

Sprint and T-Mobile are likely to have relatively strong incentives to engage in foreclosure against Verizon and AT&T in order to reduce their capacity. The factors identified by the DOJ as relevant to its foreclosure analysis are equally applicable to Sprint and T-Mobile,¹⁵³ and Sprint and T-Mobile are likely to assign relatively high foreclosure val-

ues to the incentive auction spectrum. Constraining the ability of Verizon and AT&T to expand their network capacity would have a relatively high value to Sprint and T-Mobile because they (1) have the potential to capture more subscribers through churn than Verizon and AT&T given their relative market shares and (2) lack a similar ability to influence prices based on the DOJ's assumptions regarding market power. The potential gains from foreclosure are likely to be especially high for Sprint and T-Mobile if Verizon and AT&T lack the ability to expand the capacity of their networks inexpensively with their existing spectrum resources.

Although Sprint and T-Mobile are just as likely to have the incentive to pursue a foreclosure strategy, they are less likely to have the ability to engage in foreclosure relative to Verizon and AT&T *unless* the government intervenes.

The unintended consequence of the DOJ's proposed foreclosure remedy is that it gives firms with relatively strong incentives to foreclose (Sprint and T-Mobile) the *ability* to foreclose by mitigating the costs and risk that otherwise deter foreclosure in unrestricted auctions. The FCC has previously found that the high costs of acquiring substantial amounts of spectrum in a single auction combined with stringent buildout requirements discourages foreclosure by requiring auction winners to bear the cost of providing timely service to the public in addition to the cost of acquiring licenses.¹⁵⁴ Both of these foreclosure deterrents would be dramatically reduced for Sprint and T-Mobile if the FCC imposes bidding restrictions on Verizon and AT&T and adopts the virtually meaningless "substantial service" standard for buildout – applicable only at the end of the ten-

year license term – in the FCC's proposed rules for the incentive auction spectrum.¹⁵⁵

In the absence of stringent buildout requirements, the empirical evidence indicates that Sprint and T-Mobile would be able to acquire the spectrum "set aside" for them at a discount of thirty-one to sixty-one percent (31-61%), which would reduce or eliminate the difference between their use and foreclosure values (i.e., the portion of their private values that is attributable to foreclosure rather than use values). Once they acquired the discounted spectrum, they would have no obligation to invest any capital to actually use it for the benefit of the public for at least another ten (10) years under the substantial service standard.¹⁵⁶

A combination of bidding restrictions and "substantial service" construction requirements would give Sprint and T-Mobile the full measure of their foreclosure values without requiring them to bear the full measure of potential costs and risk. Most of these costs and risk would instead be borne by the government and consumers in the form of delayed service to the public, reduced economic activity, lower auction revenue, and the potential to leave the national public safety network unfunded.

The DOJ recommended that the FCC ensure that Sprint and T-Mobile acquire spectrum in the incentive auction in order to "allow them to improve their coverage and make them stronger, more aggressive competitors."¹⁵⁷ It offered no assurance, however, that Sprint and T-Mobile actually would use the spectrum to improve their coverage. Given the incentives of Sprint and T-Mobile to foreclose through the regulatory process, the only way to ensure the public receives the expected benefits of the DOJ's proposed remedy would be to adopt

buildout requirements for the restricted spectrum that require Sprint and T-Mobile to use the spectrum to substantially *exceed* their current coverage and to impose restrictions on the transfer or assignment of the spectrum to other entities throughout the license term (including one another). If the FCC rules were to enable them to hoard the restricted spectrum or use it merely to augment the capacity of their existing networks, or to transfer or assign the spectrum to another entity in order to profit from its arbitrage value, broadcasters and the public would bear the cost and risk of restricted eligibility with no assurance of receiving any benefit.

The Proposed Remedy Is Over-Broad

The DOJ's proposed remedy is also over-broad because it would impose eligibility restrictions in all markets without reference to spectrum holdings or competitive dynamics in specific markets.

As demonstrated in the New York State hypothetical discussed above, even if eligibility restrictions could be justified in some markets, they cannot be justified nationwide. All four of the largest wireless firms, including T-Mobile, hold low-frequency spectrum in some markets, and the DOJ offered no conceivable scenario in which imposing eligibility restrictions in such markets would be necessary to prevent a significant likelihood of substantial harm.

Eligibility restrictions would also be ineffective in urban markets where capacity rather than coverage is the primary competitive restraint. The FCC adopted a bifurcated approach to rural and urban markets in the PCS band after the failures of the initial C and F block auctions. The legal standard governing eligibility restrictions would require that the FCC implement a similar distinction in

the incentive auction if it were to impose eligibility restrictions based on foreclosure concerns related primarily to coverage.

PART VII: Scoring Television Stations Would Discourage Broadcaster Participation

The FCC has proposed to “score” each television station bid in the reverse auction to account for the population served by the station.¹⁵⁸ The FCC suggested that scoring (i.e., reducing) a reverse bid using a station's coverage contour could reflect the value of the station, and that paying winning bidders in relation to their coverage contours or other indicators of value could reduce the amount that the FCC would have to pay broadcasters for their spectrum usage rights.¹⁵⁹

If the FCC adopts this scoring proposal, it would contravene the will of Congress and substantially reduce broadcaster participation in the auction. Applying scoring rules to artificially reduce the amount the FCC pays broadcasters for relinquishing their spectrum rights would be inconsistent with unambiguous statutory terms requiring the FCC to pay broadcasters the amount they bid in the reverse auction.¹⁶⁰ Though a television station's coverage contour could reflect its value as a television station, it is irrelevant to the market value of the station's spectrum rights for mobile services or the value of the station's participation in the FCC's spectrum clearing efforts. For the incentive auction to succeed, the incentive for television stations to participate must be substantially more attractive than their alternative options. If the FCC were to score television station bids based on their value as such rather than the preclusive value of their spectrum rights, the auction would offer broadcasters no more than the status quo: Scoring

would take the “incentive” out of the “incentive auction.”

Scoring Would Be Inconsistent with the Spectrum Act

The Spectrum Act defines the “reverse auction” as the portion of the incentive auction “in which a broadcast television licensee may submit bids stating the amount it would accept for voluntarily relinquishing some or all of its broadcast television spectrum usage rights.”¹⁶¹ It provides that the FCC may encourage a television licensee to participate voluntarily in the reverse auction by sharing with such licensee a portion of the proceeds from the forward auction “based on the value of the relinquished rights as determined in the reverse auction.”¹⁶²

The meaning of these provisions is clear and unambiguous: The FCC must pay a television licensee the amount it would accept as determined by the reversed auction. There is nothing in the statutory language that suggests Congress intended that the FCC pay a television licensee a lower amount than its bid in the reverse auction based on a scoring methodology determined by the FCC that is unacceptable to the broadcaster.

The Incentive Must Be More Attractive than Alternative Options

Congress understood that the success of the incentive auction would depend on inducing a substantial number of television licensees to voluntarily sell their spectrum rights. To meet this goal, the incentive auction must offer television licensees (1) an opportunity to sell their spectrum rights for substantially more than they are currently worth (2) at a price that is substantially more attractive than their alternative options.¹⁶³ Broadcasters

must factor into their reverse auction bids *all* of the potential opportunity costs of selling their spectrum, which are not limited to the value of their current television station as such.

The National Broadband Plan expressly recognized the availability of alternatives to the incentive auction for transitioning broadcast spectrum to new and more varied uses.¹⁶⁴ By giving the FCC only one opportunity to conduct the broadcast incentive auction by a date certain, Congress implicitly endorsed the consideration of alternative options for broadcast spectrum use if the incentive auction fails.¹⁶⁵

For example, television stations have flexible use rights for their spectrum that offer opportunities to generate substantial non-advertising revenue streams.¹⁶⁶ In a recent equity research report, Wells Fargo Securities concluded that the next generation television standard due in 2016 would enable the use of broadcast overlay services.¹⁶⁷ In this overlay system, broadcasters would lease the flexible use portions of their spectrum to mobile firms who would use it to alleviate network congestion caused by point-to-multipoint IP traffic. The report indicates that broadcast overlay services are expected to generate annual, non-advertising revenue streams of \$10 billion initially and as much as \$220 billion over time.¹⁶⁸

Other options discussed in the National Broadband Plan include transitioning broadcast systems to a cellular architecture or auctioning overlay licenses and allowing broadcasters to sell their spectrum for mobile use in the secondary markets.¹⁶⁹

Scoring stations in order to pay television licensees less than they are willing to accept for relinquishing their spectrum rights would give them an incentive to pursue these alternative options

rather than participate in the auction. Any attempt to score television stations would thus discourage

the participation of broadcasters and could cause the auction to fail.

CONCLUSION

This study provides empirical evidence that, while FCC bidding restrictions have imposed substantial costs on consumers, the economy, and government revenues, their expected benefits have not been realized. An analysis of the DOJ's foreclosure theory offers no reason to believe that imposing bidding restrictions on the pending incentive auction will produce superior results today, yet there is ample evidence that such restrictions would reduce the incentive for broadcasters to participate in the auction and increase the likelihood that the auction would not produce enough revenue to fund the nationwide, interoperable public safety network. Efforts to reduce payments to broadcasters by scoring television stations would also discourage broadcaster participation with similarly adverse results. If the FCC wishes to realize the transformative potential of mobile broadband and fulfill Congressional objectives for public safety, it must rely on market forces to determine outcomes in the incentive auction.

ENDNOTES

¹ See Middle Class Tax Relief and Job Creation Act of 2012, Pub. L. No. 112-96, §§ 6402, 6403, 125 Stat. 156 (2012) (Spectrum Act).

² See FCC, Connecting America: The National Broadband Plan at 81-82 (2010) (National Broadband Plan) (available at http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-296935A1.pdf).

³ See Spectrum Act, §§ 6401(c)(4), 6402, 6413. The other purposes include \$550 million for state planning (\$135M), research and development (\$300M), and next generation 911 (\$115M).

⁴ See The 9/11 Commission Report (2001) (available at <http://www.9-11commission.gov/report/911Report.pdf>).

⁵ Several economists, including a former Chief Economist of the FCC, have concluded that it is not possible to maximize auction efficiency and generate a positive return in an incentive auction. See Simon Loertscher, Leslie M. Marx, Tom Wilkening, A Long Way Coming: Designing Centralized Markets with Privately Informed Buyers and Sellers (Jul. 5, 2013) (available at <https://faculty.fuqua.duke.edu/~marx/bio/papers/incentiveauction.pdf>).

⁶ See *Ex Parte* Submission of the United States Department of Justice, WT Docket No. 12-269 (Apr. 11, 2013) (DOJ *Ex Parte*) (available at <http://apps.fcc.gov/ecfs/comment/view?id=6017301275>).

⁷ See Expanding the Economic and Innovation Opportunities of Spectrum Through Incentive Auctions, Notice of Proposed Rulemaking, FCC 12-118, 27 FCC Rcd. 12357 at app. C, pp. 12-13 (Oct. 2, 2012) (Incentive Auction NPRM).

⁸ Congress first authorized the FCC to auction spectrum licenses in the Omnibus Budget Reconciliation Act of 1993, Pub. L. No. 103-66, § 6002, 107 Stat. 312, 387-392, which added Section 309(j) to the Communications Act of 1934, as amended. See 47 U.S.C. § 309(j).

⁹ See Edmund L. Andrews, Radio Rights: A Move to Auction Licenses that Sell, *New York Times* (Mar. 21, 1993) (available at <http://nyti.ms/ZR11ZT>).

¹⁰ See Congressional Budget Office, Auctioning Radio Spectrum Licenses at 36 (Mar. 1992) (available at http://cbo.gov/sites/default/files/cbofiles/ftpdocs/102xx/doc10247/1992_03_auctioningradiospectrum.pdf).

¹¹ See The FCC Report to Congress on Spectrum Auctions, Report, FCC 97-353 at 6-8 (Oct. 9, 1997) (FCC Auction Report).

¹² See *id.*

¹³ A list of completed auctions is available on the FCC website: http://wireless.fcc.gov/auctions/default.htm?job=auctions_all.

¹⁴ See, e.g., Thomas W. Hazlett, Roberto E. Munoz, Diego B. Avanzini, What Really Matters in Spectrum Allocation Design, 10 *NW. J. TECH. & INTELL. PROP.* 93, n.1 (Jan. 2012) (Hazlett 2012) (citing sources supporting the success of spectrum auctions worldwide).

¹⁵ See, e.g., FCC Auction Report at 2 (finding that auctions are a significant improvement over previous methods of assignment). Note, however, that the FCC retains legal authority to assign new spectrum rights to favored firms without providing an opportunity for competitive bidding. See, e.g., Improving Public Safety Communications in the 800 MHz Band, Report and Order, Fifth Report and Order, Fourth Memorandum Opinion and Order, and Order, FCC 04-168, 19 FCC Rcd. 14969 (Aug. 6, 2004) (800 MHz Order) (giving Sprint 10 MHz of PCS spectrum without providing other firms with an opportunity for competitive bidding).

¹⁶ 47 U.S.C. § 309(j)(3)(B).

¹⁷ In response to the Supreme Court's ruling in *Adarand Constructors, Inc. v. Peña*, 515 U.S. 200 (1995), the FCC does not offer preferences based on gender or race. See Implementation of Section 309(j) of the Communications Act – Competitive Bidding, Sixth Report and Order, FCC 95-301, 11 FCC Rcd. 136 at ¶¶ 109-111 (Jul. 18, 1995).

¹⁸ See 47 C.F.R. § 1.2110.

¹⁹ See Amendment of Part 1 of the Commission's Rules—Competitive Bidding Procedures, Third Report and Order and Second Further Notice of Proposed Rulemaking, FCC 97-413, 13 FCC Rcd. 374 at ¶ 14 (Dec. 31, 1997).

²⁰ See, e.g., Service Rules for the 698-746, 747-762 and 777-792 MHz Bands, Second Report and Order, FCC 07-132, 22 FCC Rcd. 15289 at ¶ 253, n. 573 (Aug. 10, 2007) (700 MHz Second Report and Order).

²¹ See Remarks of FCC Chairman Julius Genachowski, 2012 Consumer Electronics Show (Jan. 11, 2012) (available at <http://www.fcc.gov/document/chairman-genachowski-2012-consumer-electronics-show>).

²² See 47 U.S.C. § 309(j)(17)(A).

²³ See 47 U.S.C. § 309(j)(17)(B).

²⁴ See Incentive Auction NPRM.

²⁵ See Policies Regarding Mobile Spectrum Holdings, Notice of Proposed Rulemaking, FCC 12-119, 27 FCC Rcd. 11710 at ¶ 35-39 (Sep. 28, 2012) (Spectrum Aggregation NPRM).

²⁶ See DOJ *Ex Parte* at 1.

²⁷ See Spectrum Act at § 6101(a). The results of Auction 73 indicated that the public-private partnership rules governing the D block in that auction rendered it unsuitable for the provision of mobile services on a commercially viable basis. See Federal Communications Commission, Office of the Inspector General, Report, D Block Investigation (Apr. 25, 2008) (available at http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-281791A1.pdf).

²⁸ The broadband PCS allocation initially included 20 megahertz of spectrum at 1910 MHz to 1930 MHz for unlicensed broadband PCS. The FCC subsequently reallocated 10 MHz of unlicensed broadband PCS spectrum for licensed use (the G block), which was assigned to Sprint without competitive bidding in 2004. See 800 MHz Order.

²⁹ See Amendment of the Commission's Rules to Establish New Personal Communications Services, Second Report and Order, FCC 93-451, 8 FCC Rcd. 7700 at ¶ 30 (Oct. 22, 1993) (PCS Second Report and Order).

³⁰ See Implementation of Section 309(j) of the Communications Act—Competitive Bidding, Fifth Report and Order, FCC 94-178, 9 FCC Rcd. 5532 (Jul. 15, 1994) (Competitive Bidding Fifth Report and Order).

³¹ Basic Trading Areas and Major Trading Areas are Material Copyright (c) 1992 Rand McNally & Company. A BTA encompasses one or more counties in which residents make the bulk of their purchases. MTAs are combinations of two or more BTAs. In addition to the geographic areas defined by Rand McNally, the FCC created several BTA- and MTA-like areas for the purpose of spectrum assignment in the American territories.

³² See Amendment of the Commission's Rules to Establish New Personal Communications Services, Memorandum Opinion and Order, FCC 94-144, 9 FCC Rcd. 4957 at ¶ 155 (Jun. 13, 1994). The FCC initially required all PCS licensees to meet the 66% benchmark in seven years and an additional 90% benchmark at ten years, but subsequently decided to relax these benchmarks. See PCS Second Report and Order at ¶ 134.

³³ See 47 C.F.R. § 24.203(b).

³⁴ The FCC did, however, grant three licenses in the A block pursuant to its “pioneer’s preference” rules. See Review of the Pioneer’s Preference Rules, Memorandum Opinion and Order on Remand, FCC 94-209, 9 FCC Rcd. 4055 (Aug. 9, 1994). Congress has since eliminated FCC authority to grant pioneer’s preferences. See Balanced Budget Act of 1997, Pub. L. No. 105-33, § 3002(a)(1)(F), 111 Stat. 251, 259 (1997) (amending 47 U.S.C. § 309(j)(13)(F)).

³⁵ See 47 C.F.R. §§ 24.709, 24.711, 24.712, 24.716, 24.717, 24.720. For entrepreneurs, gross revenues are calculated for the preceding two years. 47 C.F.R. § 24.709(a)(1). For small business, the period is three years. 47 C.F.R. § 24.720.

³⁶ See Appendices B-1, B-4.

³⁷ See Competitive Bidding Fifth Report and Order at ¶¶ 150-152.

³⁸ See, e.g., Universal Licensing System File No. 50316CWAL97, FCC Form 490, Exhibit 1 (describing the assignment from U S West Communications, Inc. to Southeast Nebraska Telephone Company of a portion of Station KNLH682 in the Omaha, Nebraska BTA (B332) pursuant to 47 C.F.R. § 24.714(c)-(d)). The FCC terminated the partitioned portion of the license (Station WPOH996) that was assigned to Southeast Nebraska Telephone Company on April 28, 2002. See Wireless Telecommunications Bureau Market-Based Applications Action, Public Notice, Report No. 1210 (Jun. 19, 2002).

³⁹ See Appendix B-2.

⁴⁰ See Appendix B-3.

⁴¹ The one-third figure refers only to the initial allocation of licensed PCS spectrum and does not include the 10 MHz G block that was later assigned to Sprint.

⁴² See Affirming and Dissenting Separate Statement of Chairman Reed E. Hundt, C Block Financing Issues, Amendment of the Commission's Rules Regarding Installment Payment Financing for Personal Communications Services (PCS) Licensees, Second Report and order and Further Notice of Proposed Rulemaking, FCC 97-342, 12 FCC Rcd. 16436, 16503 (Oct. 16, 1997) (Restructuring Second Report and Order) ("I was aware last December that the market was unlikely to finance many of the largest bidders."). See also Eligibility Restrictions on C Block Licenses in the Broadband Personal Communication Services, Memorandum Opinion and Order, FCC 04-249, 19 FCC Rcd. 20321 at ¶ 3 (Oct. 15, 2004) (Restructuring Memorandum Opinion and Order) (Noting that many winning bidders began to experience financial difficulties "not long after the close of Auction Nos. 5 and 10").

⁴³ See Installment Payments for PCS Licenses, Order, DA 97-649, 12 FCC Rcd. 17325 (Mar. 31, 1997) (suspending installment payments for all C block licensees until further notice).

⁴⁴ See FCC Announces Grant of Broadband Personal Communications Services D, E, and F Block BTA Licenses, Public Notice, DA 97-883, 13 FCC Rcd. 1286 (Apr. 28, 1997) (extending the suspension of installment payments for C block licenses to F block licenses).

⁴⁵ See Wireless Telecommunications Bureau Seeks Comment on Broadband PCS C and F Block Installment Payment Issues, Public Notice, DA 97-679, 12 FCC Rcd. 24230 (Jun. 2, 1997).

⁴⁶ See generally Restructuring Second Report and Order.

⁴⁷ See Amendment of the Commission's Rules Regarding Installment Payment Financing for Personal Communications Services (PCS) Licenses, Order on Reconsideration of the Second Report and Order, FCC 98-46, 13 FCC Rcd. 8345 (Mar. 24, 1998) (Reconsideration of Restructuring Second Report and Order). A C block licensee was required to make the same election for all BTA licenses it held in a given MTA but could make different elections for different MTAs. See *id.* at ¶ 17.

⁴⁸ See Wireless Telecommunications Bureau Announces Broadband Personal Communications Services C Block Elections, Public Notice, DA 98-1168, 13 FCC Rcd. 16705 (Jun. 16, 1998). C block licensees that filed a defective notice or failed to file a notice at all were considered to have elected to resume payments under their original terms. See *id.* Note that the FCC provided an opportunity for licensees who had initially filed "conditional" elections to file "unconditional" elections. See Wireless Telecommunications Bureau Announces Broadband Personal Communications Services C Block Unconditional Elections, Public Notice, DA 98-1340, 13 FCC Rcd. 17434 (Jul. 2, 1998).

⁴⁹ See Wireless Telecommunications Bureau Announces June 8, 1998 Election Date for Broadband PCS C Block Licenses, Public Notice, DA 98-741, 13 FCC Rcd. 7413 (Apr. 17, 1998).

⁵⁰ See Restructuring Second Report and Order at ¶ 10. The FCC did not specify the value of the discount it assigned to the availability of installment payments.

⁵¹ The FCC found that the F block licensees did not have the same financing difficulties as the C block licensees. See *id.* at ¶ 20.

⁵² This difference likely represents, at least in part, a discount for the substantial uncertainty in the PCS C and F blocks caused by bankruptcy litigation and the FCC restructuring orders.

⁵³ See Amendment of Commission's Rules Regarding Installment Payment Financing for Personal Communications Services (PCS) Licensees, Sixth Report and Order on Reconsideration, FCC 00-313, 15 FCC Rcd. at ¶ 7 (Aug. 29, 2000) (Restructuring Sixth Report and Order).

⁵⁴ See *In re NextWave Personal Communications, Inc.*, 200 F.3d 43 (1999) (*per curiam*).

⁵⁵ See Auction of C and F Block Broadband PCS Licenses, Notice of Auction Scheduled for July 26, 2000, Public Notice, DA 00-49, 15 FCC Rcd. 693 (2000).

⁵⁶ See Amendment of the Commission's Rules Regarding Installment Payment Financing for Personal Communications Services (PCS) Licensees, FCC 00-197, Further Notice of Proposed Rulemaking, 15 FCC Rcd. 9773 (2000).

⁵⁷ See Restructuring Sixth Report and Order at ¶ 2.

⁵⁸ There were no C1 or C2 licenses in Tier 1 BTAs available in Auction 35, because the entrepreneur eligibility restriction does not apply to licenses that were available but unsold in Auction 22. Though Tier 2 C2 licenses were classified as closed, all of the C2 licenses available in Auction 35 were available to all bidders because they were available but unsold in Auction 22. Certain 30 MHz C block licenses were also available but unsold in Auction 22, and the corresponding reconfigured C3 and C4 licenses were also open to all bidders.

⁵⁹ See Disposition of Down Payment and Pending Applications By Certain Winning Bidders in Auction No. 35, Order and Order on Reconsideration, FCC 02-311, 17 FCC Rcd. 23354 at ¶¶ 2 n. 5, 5 (Nov. 14, 2002) (Auction 35 Refund Order).

⁶⁰ See *NextWave Personal Communications Inc. v. FCC*, 254 F.3d 130 (D.C. Cir. 2001), *aff'd* *FCC v. NextWave*, 537 U.S. 293 (2003).

⁶¹ See Wireless Telecommunications Bureau Announces the Return to Active Status of Licenses to NextWave Personal Communications Inc. and NextWave Power Partners Inc., Subject to the Outcome of Ongoing Litigation, Public Notice, DA 01-2045, 16 FCC Rcd. 15970 (Aug. 31, 2001).

⁶² See generally Auction 35 Refund Order.

⁶³ See Government Settles NextWave Litigation, News Release, Department of Justice (Apr. 20, 2004). See also FCC Announces NextWave Settlement Agreement, News Release (Apr. 20, 2004).

⁶⁴ See Broadband PCS Spectrum Auction Scheduled for January 12, 2005, Public Notice, DA 04-1639, 19 FCC Rcd. 10243 (Jun. 18, 2004).

⁶⁵ See generally Restructuring Memorandum Opinion and Order.

⁶⁶ See *id.* at ¶ 16.

⁶⁷ See Oral Statement of The Honorable Kevin J. Martin, Chairman, FCC, Before the Committee on Energy and Commerce, U.S. House of Representatives at 3 (Apr. 15, 2008) (stating that all other 68 auctions conducted by the FCC prior to Auction 73 collectively produced a total of only \$19.1 billion in actual receipts) (available at http://hraunfoss.fcc.gov/edocs_public/attachmatch/DOC-281580A1.pdf).

⁶⁸ Nearly all license defaults in the initial C and F block auctions were caused by the inability of auction winners to pay the amounts they bid.

⁶⁹ The difference between the impacted net bids in Auctions 5/10 and the amounts recovered in re-auctions is approximately \$4.5 billion. The government recovered an additional \$1.6 billion through its settlement with NextWave, however, which reduces the amount forfeited to approximately \$2.9 billion. Though it is possible the government recovered additional funds through other bankruptcy settlements, it is not possible to quantify such recoveries because the settlement agreements are not publicly available.

⁷⁰ The government treats income from the re-auction of licenses that had been reclaimed by the FCC for failure to pay the original net bids as recoveries on the original loans. *See* Congressional Budget Office, Cost Estimate, S. 911 Public Safety Spectrum and Wireless Innovation Act at n.2. (Jul. 20, 2011) (available at <http://www.cbo.gov/publication/41592>).

⁷¹ *See* Letter to Longstreet Communications International, Inc. from Margaret W. Wiener, Chief, Auctions and Spectrum Access Division, Wireless Telecommunications Bureau, DA 12-442, 27 FCC Rcd. 2852 (Mar. 22, 2012) (demanding default payment for the winning bid in Auction 5 on C block BTA 12 (Altoona, Pennsylvania)).

⁷² *See* 47 C.F.R. § 27.13(g) (providing license terms of fifteen years for AWS-1 licenses issued on or before December 31, 2009).

⁷³ CMAs are comprised of Metropolitan Statistical Areas (MSAs) and Rural Service Areas (RSAs). *See* 47 C.F.R. § 27.6(a).

⁷⁴ The Department of Commerce defines 172 EAs, and the FCC has defined four additional EA-like areas for the purpose of assigning spectrum licenses. *See* 47 C.F.R. § 27.6(a). Each REAG is comprised of one or more EAs. *Id.*

⁷⁵ *See* 47 C.F.R. § 27.14(a).

⁷⁶ *Id.*

⁷⁷ *See* 47 C.F.R. § 1.2110.

⁷⁸ *See* Reallocation of Television Channels 60-69, the 746-806 MHz Band, Report and Order, FCC 97-421, 12 FCC Rcd. 22953 at ¶ 1 (Jan. 6, 1998).

⁷⁹ *See* Reallocation and Service Rules for the 698-746 MHz Spectrum Band (Television Channels 52-59), Report and Order, FCC 01-364, 17 FCC Rcd. 1022 (Jan. 18, 2002) (Lower 700 MHz Allocation Order).

⁸⁰ *See* Pub. L.No. 105-33, 111 Stat. 251 § 3003 (1997) (codified at 47 C.F.R. § 309(j)(14)(B)(i)(II)) (authorizing the FCC to “reclaim and organize” additional analog television channels for new wireless uses). *See also* Service Rules for the 698-746, 747-762 and 777-792 MHz Bands, Report and Order and Further Notice of Proposed Rulemaking, FCC 07-72, 22 FCC Rcd. 9100 at ¶ 16 (Apr. 27, 2007).

⁸¹ *C.f.* Applications of AT&T Inc. and Dobson Communications Corporation, Memorandum Opinion and Order, FCC 07-196, 22 FCC Rcd. 20295 at ¶ 30-31 (Nov. 19, 2007) (finding blocks A through E in the Lower 700 MHz band and blocks C and D in the Upper 700 MHz band suitable for commercial mobile use). The FCC allocated the Upper 700 MHz D block for commercial use through a public-private partnership in the 700 MHz Second Report and Order, but Congress mandated that the D block be reallocated for public safety use in the Spectrum Act.

⁸² EAGs are similar to REAGs. *See* 47 C.F.R. § 27.6(3).

⁸³ *See* 47 C.F.R. § 27.14.

⁸⁴ *See* Facilitating the Provision of Spectrum-Based Services to Rural Areas and Promoting Opportunities for Rural Telephone Companies to Provide Spectrum-Based Services, Report and Order and Further Notice of Proposed Rulemaking, FCC 04-166, 19 FCC Rcd. 19078 at ¶¶ 79-80 (Sep. 27, 2004) (Rural Order). These safe harbors have not been codified in the Code of Federal Regulations.

⁸⁵ For a discussion of the first two safe harbors, see Lower 700 MHz Allocation Order at ¶¶ 149-151. For a discussion of the third safe harbor, see Rural Order at ¶ 79.

⁸⁶ *See* 700 MHz Second Report and Order at ¶ 153.

⁸⁷ *See* 700 MHz Second Report and Order at ¶ 157. The relevant geographic area generally does not include government lands.

⁸⁸ *See id.* at ¶ 163.

⁸⁹ *See id.* at ¶ 157.

⁹⁰ See 47 C.F.R. § 27.702(a).

⁹¹ These small firms were Data-Max Wireless LLC; VentureTel 700, Inc.; and Spectrum Acquisitions, Inc.

⁹² See Appendix B-5.

⁹³ See Restructuring Second Report and Order at ¶ 10 (noting that discounting the net bids in Auctions 5/10 to account for government financing does not explain the difference in prices between the C block and the A and B block PCS licenses).

⁹⁴ See *id.*, Affirming and Dissenting Separate Statement of Chairman Reed E. Hundt, C Block Financing Issues. This assertion appears to have been discredited by (1) the willingness of large firms to pay substantially more for only a portion of the unrestricted PCS C block licenses in Auction 35 (the NextWave and Urban Comm licenses surrendered through bankruptcy) than the *total* net bids for the restricted licenses in Auctions 5/10 and (2) the fact that net bids for the restricted PCS F block were 31% lower on average than net bids for the unrestricted PCS D and E blocks. The significantly lower prices paid for PCS spectrum in Auction 11 do not corroborate the theory of “irrational over-bidding” in Auctions 5/10 because the bids in Auction 11 were tainted by collusion through the use of trailing digits in bids. See *High Plains Wireless, L.P. v. FCC*, 276 F.3d 599 (D.C. Cir. 2002). See also Peter Cramton & Jesse A. Schwartz, Collusive Bidding: Lessons from FCC Spectrum Auctions, 17 J. REG. ECON. 229, 237 (2000).

⁹⁵ The practice of assigning licenses for free, the predominant method of assignment prior spectrum auctions, produced similarly flawed results. See R. H. Coase, *The Federal Communications Commission*, 2 J.L. & ECON. 1 (Oct. 1959).

⁹⁶ See Hazlett 2012 at 64 (noting that whatever preferences are crafted increase weak bidders’ chances of winning licenses).

⁹⁷ See Competitive Bidding Fifth Report & Order at ¶ 11 (recognizing that small businesses represent higher degrees of risk in financial markets than do large businesses).

⁹⁸ See Separate Statement of Commissioner Michael Powell, Concurring in Part and Dissenting in Part, Amendment of the Commission’s Rules Regarding Installment Payment Financing For Personal Communications Services (PCS) Licensees, Order on Reconsideration of the Second Report and Order, FCC 98-46, 13 FCC Rcd. 8345 at ¶ 1.1.7 (Mar. 24, 1998) (Reconsideration of Second Restructuring Order) (“The entities now seeking our help are inherently risky ventures to begin with. Often their management is less proven, their business plans are untested and less complete, and their optimism is sometimes overstated.”).

⁹⁹ See Reconsideration of Second Restructuring Order at ¶ 1.1.7. Every Commissioner’s separate statement in the Competitive Bidding Fifth Report & Order evidences their intent to “balance” the competing goals of assigning licenses efficiently while ensuring particular types of companies win licenses.

¹⁰⁰ See Congressional Budget Office, *Small Bidders in License Auctions for Wireless Personal Communications Services* at 6, 29 (Oct. 1, 2005) (CBO PCS Report) (discounting net bids on the F block in Auction 11 to account for the value of government financing) (available at <http://www.cbo.gov/publication/17409>).

¹⁰¹ See *id.*

¹⁰² This is the amount of net bids in the last major FCC auction of mobile spectrum on a nationwide basis (Auction 73) rounded up.

¹⁰³ See discussion of use values, Part VII, *infra*.

¹⁰⁴ See Competitive Bidding Fifth Report and Order at ¶¶ 118-29.

¹⁰⁵ See R. H. Coase, *The Problem of Social Cost*, 3 J.L. & ECON. 1 (Oct. 1960).

¹⁰⁶ See Service Rules for Advanced Wireless Services in the 2000-2020 MHz and 2180-2200 MHz bands, Report and Order and Order of Proposed Modification, FCC 12-151, 27 FCC Rcd. 16102 at ¶ 241 (Dec. 17, 2012) (AWS-4 Order). See also 700 MHz Second Report and Order at ¶ 253, n. 573 (citing Amendment of Parts 1, 21, 73, 74 and 101 of the Commission's Rules to Facilitate the Provision of Fixed and Mobile Broadband Access, Educational and Other Advanced Services in the 2150-2162 and 2500-2690 MHz Bands, Report and Order and Further Notice of Proposed Rulemaking, FCC 04-135, 19 FCC Rcd. 14165 at ¶¶ 165- 76 (Jul. 29, 2004) (finding that parties favoring restricting eligibility of cable operators and ILECs to acquire BRS/EBS licenses for the provision of non-video services had not shown that eligibility of such service providers is likely to result in substantial competitive harm or that, even if specific markets experienced harm to competition, the eligibility restrictions advocated would be effective in eliminating that harm), aff'd Third Memorandum Opinion and Order, FCC 06-46, 21 FCC Rcd. 5606 at ¶¶ 229-31 (Apr. 27, 2006); Allocations and Service Rules for the 71-76 GHz, 81-86 GHz and 92-95 GHz Bands, Report and Order, FCC 03-248, 18 FCC Rcd. 23318 at ¶¶ 68-70 (Nov. 4, 2003) (finding no significant likelihood of competitive harm in any markets and therefore declining to impose eligibility restrictions); Amendment of Parts 2 and 25 of the Commission's Rules to Permit Operation of NGSO FSS Systems Co-Frequency with GSO and Terrestrial Systems in the Ku-Band Frequency Range, Memorandum Opinion and Order and Second Report and Order, FCC 02-116, 17 FCC Rcd. 9614 at ¶¶ 159-70 (May 23, 2002) (concluding that open eligibility for MVDDS licenses for DBS service providers and distributors will not result in substantial competitive harm but that open eligibility for in-region cable operators poses a significant likelihood of substantial competitive harm; and therefore prohibiting any cable operator, or any entity owning an attributable interest in a cable operator, from holding an attributable interest in an MVDDS license if such cable operator's service area significantly overlaps the MVDDS license area); Amendment of the Commission's Rules Regarding the 37.0-38.6 GHz and 38.6-40.0 GHz Bands, Implementation of Section 309(j) of the Communications Act – Competitive Bidding, 37.0-38.6 GHz and 38.6-40.0 GHz, Report and Order and Second Notice of Proposed Rule Making, FCC 97-391, 12 FCC Rcd. 18600 at ¶¶ 32-35 (Nov. 3, 1997) (finding it unlikely that substantial anti-competitive effects would result from LEC eligibility); cf. Auction of Direct Broadcast Satellite Licenses, Order, FCC 04-271, 19 FCC Rcd. 23849 (Dec. 3, 2004) (restricting eligibility of DBS incumbents for the last two licenses in the DBS market)).

¹⁰⁷ See Rulemaking to Amend Parts 1, 2, 21 and 25 of the Commission's Rules to Redesignate the 27.5-29.5 GHz Frequency Band, to Reallocate the 29.5-30.0 GHz Frequency Band, to Establish Rules and Policies for Local Multipoint Distribution Service and for Fixed Satellite Services, Third Report and Order and Memorandum Opinion and Order, FCC 00-223, 15 FCC Rcd. 11857 at ¶ 9 (2000) (rejecting the substantial market power standard).

¹⁰⁸ See *id.* at ¶¶ 6-11 (rejecting alternative standard of “whether the incumbent companies possess the incentive and ability to purchase the [spectrum] block to prevent entry of a competitor”).

¹⁰⁹ See 700 MHz Second Report and Order at ¶¶ 258-59.

¹¹⁰ See 2000 Biennial Regulatory Review Spectrum Aggregation Limits For Commercial Mobile Radio Services, Report and Order, FCC 01-328, 16 FCC Rcd. 22668 at ¶ 12 (Dec. 18, 2001).

¹¹¹ See *Cincinnati Bell Telephone Co. v. FCC*, 69 F.3d 752, 764 (6th Cir. 1995).

¹¹² See *id.*

¹¹³ See *id.* at 763-64.

¹¹⁴ See AWS-4 Order at ¶ 243 (Dec. 17, 2012) (indicating that spectrum aggregation is a “narrower issue” than eligibility restrictions).

¹¹⁵ *Cincinnati Bell Telephone Co. v. FCC*, 69 F.3d at 764.

¹¹⁶ See DOJ *Ex Parte* at 1.

¹¹⁷ See *Cincinnati Bell Telephone Co. v. FCC*, 69 F.3d at 763-64.

¹¹⁸ See Applications of AT&T Inc. and Deutsche Telekom AG, Order, DA 11-1955, 26 FCC Rcd. 16184, App. Staff Analysis and Findings at ¶ 50 (Nov. 29, 2011) (available at http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-11-1955A2.pdf).

¹¹⁹ See Complaint, United States v. AT&T Inc., No. 1:11-cv-01560 (D.D.C. Aug 31, 2011) (available at <http://www.justice.gov/opa/documents/Justice-ATT-T-Mobile-Complaint.pdf>).

¹²⁰ See Applications of Deutsche Telekom AG, T-Mobile USA, Inc., and MetroPCS Communications, Inc., Memorandum Opinion and Order and Declaratory Ruling, DA 13-384, 28 FCC Rcd. 2322 (Mar. 12, 2013) (T-Mobile/MetroPCS Order).

¹²¹ See Phil Goldstein, T-Mobile gets 7-year roaming deal, AWS spectrum as part of AT&T/T-Mobile breakup fee, Fierce Wireless (Dec. 20, 2011) (available at <http://www.fiercewireless.com/story/t-mobile-gets-7-year-roaming-deal-aws-spectrum-part-attt-mobile-breakup-fee/2011-12-20>).

¹²² See Andrew Martonik, T-Mobile investing over \$4 billion in 2013 for LTE rollout, Android Central (Dec. 6, 2012) (available at <http://www.androidcentral.com/t-mobile-investing-over-4-billion-2013-lte-rollout>).

¹²³ See Applications of SOFTBANK CORP, Starburst II, Inc., Sprint Nextel Corporation, and Clearwire Corporation, Memorandum Opinion and Order, Declaratory Ruling, and Order on Reconsideration, FCC 13-92, 28 FCC Rcd. 9642 at ¶¶ 5, 11 (Jul. 5, 2013) (Sprint/Softbank Order).

¹²⁴ See T-Mobile/MetroPCS Order at ¶¶ 64, 66.

¹²⁵ See *id.* at ¶ 55 (emphasis added).

¹²⁶ See Sprint/Softbank Order at ¶¶ 94-95, 102 (Jul. 5, 2013) (“We anticipate the proposed transactions likely will strengthen Sprint’s ability to compete in the wireless marketplace, potentially resulting in greater innovation and reduced prices for all consumers, including rural, low-income, and minority consumers.”).

¹²⁷ See George S. Ford and Lawrence J. Spiwak, Equalizing Competition Among Competitors: A Review of the DOJ’s Spectrum Screen Ex Parte Filing, Phoenix Center Policy Bulletin No. 33 at 5 (May 2013) (Phoenix Center Paper) (defining private value, use value, and foreclosure value) (available at <http://www.phoenix-center.org/PolicyBulletin/PCPB33Final.pdf>).

¹²⁸ See DOJ *Ex Parte* at 10 (“Indeed, a carrier may even have incentives to acquire spectrum and not use it at all.”).

¹²⁹ See *id.* at 1.

¹³⁰ See *id.* at 8. The DOJ does not explain the reasoning for its conclusion that Verizon and AT&T can exercise market power or the circumstances in which they can exercise it.

¹³¹ The DOJ implicitly acknowledges this fact in its discussion of the evaluation of competitive harm in particular markets. See DOJ *Ex Parte* at 12-13.

¹³² See generally Phoenix Center Paper.

¹³³ The *ability* of small firms to realize such incentives is a separate question.

¹³⁴ See DOJ *Ex Parte* at 12.

¹³⁵ The Spectrum Act’s prohibition on restricting the eligibility qualified bidders in the incentive auction indicates that Congress presumed an open auction was the most appropriate way to determine the relative use values of particular firms and that no showings regarding current spectrum use or network capacity were necessary. See 47 U.S.C. § 309(j)(17)(A).

¹³⁶ See *Cincinnati Bell Telephone Co. v. FCC*, 69 F.3d at 763-64.

¹³⁷ See FCC Auction Report at 2-8.

¹³⁸ See DOJ *Ex Parte* at 12-16.

¹³⁹ See *id.* at 14.

¹⁴⁰ *Id.* (emphasis added).

¹⁴¹ See Spectrum Aggregation NPRM at ¶¶ 35-39.

¹⁴² See DOJ *Ex Parte* at n. 21.

¹⁴³ See *id.* at 14 (lacking any citation to support the second independent clause in the compound sentence in which footnote 21 appears).

¹⁴⁴ Implementation of Section 6002(b) of the Omnibus Budget Reconciliation Act of 1993, Fifteenth Report, FCC 11-103, 26 FCC Rcd. 9664 at ¶ 298 (Jun. 27, 2011) (emphasis added).

¹⁴⁵ *Id.* at ¶ 299. See also Improving Spectrum Efficiency Through Flexible Channel Spacing and Bandwidth Utilization for Economic Area-Based 800 MHz Specialized Mobile Radio Licensees, Notice of Proposed Rulemaking, FCC 12-25, 27 FCC Rcd. 2742 at ¶ 6 (Mar. 9, 2012) (noting that Sprint held or would soon hold 14 MHz of contiguous geographically licensed spectrum in the SMR band as of June 2011).

¹⁴⁶ Improving Spectrum Efficiency Through Flexible Channel Spacing and Bandwidth Utilization for Economic Area-Based 800 MHz Specialized Mobile Radio Licensees, Report and Order, FCC 12-55, 27 FCC Rcd. 6489 at ¶ 1 (May 24, 2012).

¹⁴⁷ See Sprint Corp., Quarterly Report (Form 10-Q) SEC 10Q at A-38 (Jun. 30, 2013).

¹⁴⁸ See Phil Goldstein, Sprint plans to use 2.5 GHz spectrum to catch up to Verizon, AT&T in LTE, Fierce Wireless (Aug. 29, 2013) (available at http://www.fiercewireless.com/story/sprint-plans-use-25-ghz-spectrum-catch-verizon-att-lte/2013-08-29?utm_medium=nl&utm_source=internal). Given the timing of this FCC action and Sprint announcements regarding its network plans, the DOJ knew or should have known that its factual findings were outdated when it asserted that Sprint has “virtually none” of the spectrum below 1 GHz.

¹⁴⁹ Price per MHz-pop is calculated as follows: Price / (MHz * pops) = Price per MHz-pops.

¹⁵⁰ The data used in this hypothetical is contained in Appendix C.

¹⁵¹ See AWS-4 Order at ¶ 241 (emphasis added).

¹⁵² See DOJ *Ex Parte* at 12.

¹⁵³ See *id.* at 9-12.

¹⁵⁴ See 700 MHz Second Report and Order at ¶¶ 256-59.

¹⁵⁵ See Incentive Auction NPRM at p. 154 (proposing to amend only the comparative renewal rule for the 600 MHz band). The FCC sought comment on more stringent alternatives in the primary text, but did not propose particular requirements. See *id.* at ¶¶ 394-407.

¹⁵⁶ See 47 C.F.R. § 27.14.

¹⁵⁷ See DOJ *Ex Parte* at 18.

¹⁵⁸ See Incentive Auction NPRM at app. C, pp. 12-13.

¹⁵⁹ See *id.*

¹⁶⁰ See Spectrum Act at §§ 6001(30), 6402, 6403(a)(1).

¹⁶¹ *Id.* at § 6001(30).

¹⁶² *Id.* at § 6002.

¹⁶³ See National Broadband Plan at 89 (citing the difference in market values between spectrum allocated for mobile use and spectrum allocated for broadcast use as the reason to use an incentive auction).

¹⁶⁴ See National Broadband Plan at p. 92.

¹⁶⁵ See Spectrum Act at §§ 6403(e)-(f).

¹⁶⁶ See 47 U.S.C. § 336.

¹⁶⁷ See Wells Fargo Securities, Equity Report, *Broadcast: Monetization of Spectrum is Coming* (Sep. 9, 2013).

¹⁶⁸ See *id.* at 3.

¹⁶⁹ See National Broadband Plan at p. 92.

APPENDIX A: Calculating Service Delays and Current PCS Holdings

Delay Periods Considered

There are many reasons why the provision of wireless services to the public might be delayed after a spectrum auction. This study considers the following types of license delays: Application dismissals, license terminations and cancellations, bankruptcies, waivers, and “red light.” A more detailed description of the types of delays considered in this study follows.

Application Dismissals

This category of delay applies to applications that were dismissed by the FCC for failure to make a down payment. These Appendices refer to this category as “NOPAY_DOWNPAYMENT”.

License Cancellations

Delays due to license cancellation generally fall into three categories: (1) licenses that were surrendered as a result of restructuring elections, (2) licenses canceled by the FCC for failure to make installment payments, and (3) licenses that were canceled voluntarily by their licensees.

Restructuring Elections

In its restructuring orders, the FCC provided licensees in the PCS C block with several options for surrendering C (30 MHz) or C2 (15 MHz) licenses through an election process.¹⁷⁰ These Appendices refer to licenses surrendered through restructuring elections as follows:

- The surrender of a C license in exchange for amnesty and the opportunity to bid in a future auction is referred to as an “AMNESTY_BID”.
- The surrender of a C2 license only is referred to as a “DISAGGREGATION-RESUME” (i.e., the C2 license was “canceled” and the licensee was obligated to resume making installment payments on the C1 license only).
- The surrender of a C license and the use of the down payment on that license to prepay another license is referred to as an “AMNESTY_PREPAYMENT CREDIT”.
- The surrender of a C2 license and the use of the down payment on that license to prepay another license is referred to as a “DISAGGREGATION_PREPAY”.
- The surrendered of a license (as part of a prepayment plan) with insufficient down payment funds to prepay another license is referred to as a “NOTAFFORD_PREPAYMENT”.

Installment Payments

This category of delay applies to licenses that were canceled by the FCC for failure to make an installment payment. These Appendices refer to this category as “NOPAY_INSTALLMENT”.

Voluntary

Licensees sometimes surrender their licenses voluntarily. Voluntary license surrenders typically occur (1) as a result of a transaction that raises spectrum aggregation concerns, or (2) because the licensee no longer plans to buildout the license (and would rather surrender the license voluntarily than have the FCC terminate it for missing a buildout deadline). These Appendices refer to licenses that were surrendered for these reasons, or because the reason for the voluntary surrender could not be conclusively determined from the public record, as “VOLUNTARY” cancellations.

Another type of “voluntary” license cancellation occurs when the assignee in a transaction involving multiple spectrum licenses is ineligible to hold one or more licenses subject to “entrepreneur” or other restrictions on license assignment or transfer relating to bidding preferences. These Appendices refer to a license surrendered for this reason as an “INELIGIBLE_ASSIGNMENT”.

License Terminations

This category of delay applies to licenses that were terminated by the FCC for failure to meet buildout requirements. These Appendices refer to a license terminated for this reason as “NOBUILDOUT”.

Bankruptcy Delays

This category of delay applies only to licenses that were assigned from the bankruptcy estate. In these cases, the bankruptcy was resolved as a negotiated settlement between the licensee, the government (i.e., the FCC and DOJ), and the bankruptcy court. Licenses subject to such settlements typically remained unused until bankruptcy disputes regarding the licenses were resolved. These Appendices refer to this category of delay as a “BR_ASSIGN_DELAY”.

Red Light Delays

The “red light” rule provides that anyone seeking a benefit (e.g., action on a spectrum license) from the FCC who is delinquent on a debt owed to the FCC cannot obtain the benefit until the delinquency is resolved.¹⁷¹ Several license delays in the PCS band resulted from the application of this rule to licensees who were delinquent on installment or other payments related to bidding preferences. These Appendices refer to a license delayed for this reason as a “REDLIGHT”.

Waiver Delays

In some cases, the FCC reversed an earlier decision canceling or terminating a license and reinstated the license *nunc pro tunc* using its waiver authority. These Appendices refer to the period of delay while the initial decision(s) awaited review as a “WAIVER_REINSTATED” delay.

Delay Periods Not Considered

This study does not consider the period during which a licensee was in bankruptcy as a delay if the licensee retained the licenses upon its emergence from bankruptcy and successfully met its buildout re-

quirements. In such cases the public is arguably no worse off than if the licensee had remained solvent and voluntarily chosen to delay its wireless deployment for a similar period of time.

This study also does not consider the period of delay resulting from an FCC grant of an extension of time to buildout a license that was not terminated, because the reasons for such extensions may be unrelated to the qualifications of the licensee. To maintain consistency, buildout extension periods are excluded from the delays considered in this study even when it can be determined that the buildout extension period resulted from the use of bidding preferences. For example, the FCC granted buildout extensions for licenses tied up in bankruptcy proceedings while issues regarding installment payments were resolved. This study considers only the period during the pendency of the bankruptcy as the delay period, because the buildout extension period is already reflected in the bankruptcy delay.¹⁷²

Finally, this study does not consider delays that occurred during the processing of license applications by the FCC. Reviews of applications filed by small businesses (e.g., “designated entities”) are often delayed by negotiations between the FCC and the designated entities regarding the locus of actual (*de facto*) control over the designated entities. Rather than promptly dismiss applications filed by designated entities who appear to lack *de facto* control over their licenses, the FCC provides designated entities and their investors an opportunity to renegotiate their agreements in a manner that meets FCC requirements regarding control of spectrum licenses. If a designated entity or its investors are recalcitrant or the issue is particularly complicated, this process can take a year or even longer to complete. For example, in Auction 78, the F block license for BTA 430, which was won by a designated entity, was not granted until February 16, 2010, approximately eighteen months after the auction closed. Although they occur less frequently, post-auction concerns over collusion and spectrum aggregation have also resulted in licensing delays that are not considered by this study.¹⁷³

Calculating the Delay Periods

The periods of delay considered by this study *begin* with the close of the initial auctions in which the delayed licenses received a net winning bid.

The *end* of the delay periods varies in accordance with the type of delay. For delays caused by application dismissals and license terminations and cancellations, the delay periods end with the close of the re-auctions in which the licenses receive net winning bids that result in license assignment, which is the time at which a defaulted winning bid or a defaulted license is returned to the *status quo ante*. For licenses delayed by bankruptcy or “red light”, the delay period ends when the licenses are no longer part of the bankruptcy estate or subject to “red light”, respectively.

This study treats one year as equal to 365.25 days (to account for leap years) and one month as equal to 30.4375 days (which is $365.25 / 12$).

Calculating the Weighted Average Delay Periods

Spectrum licenses offered by the FCC differ in bandwidth and geographic coverage. The potential per unit coverage (i.e., potential subscriber coverage per MHz of bandwidth) of a particular license affects its value. Licenses with wider bandwidths are capable of supporting more subscribers at a given data rate, and licenses that encompass densely populated geographic areas offer coverage to more potential subscribers. All else being equal, a license with wider bandwidth in a densely populated geographic area offers the opportunity to serve more subscribers with a given level of service quality at a given level of investment than (1) a license with narrower bandwidth encompassing the same geographic area or (2) a license with the same bandwidth in a sparsely populated area.¹⁷⁴ A license with wider bandwidth and large population thus offers greater revenue potential, all else being equal.

“MHz-pops” measures the potential per unit coverage of a spectrum license by multiplying the licensed bandwidth in MHz by the total population in the licensed geographic area.

$$\text{MHz} * \text{population} = \text{MHz-pops}$$

This metric is used by the FCC to calculate a price per MHz-pops (or “MHz-pops price”) when establishing upfront payments and minimum opening bids in spectrum auctions.¹⁷⁵ The MHz-pops price of a license is its total price divided by its MHz-pops.

$$\text{price} / \text{MHz-pops} = \text{price per MHz-pops}$$

MHz-pops price is also used to value spectrum licenses generally (i.e., in secondary market transactions)¹⁷⁶ and “for evaluating in quantitative terms the benefits lost to society from licensing delays and cancellations.”¹⁷⁷

This study uses MHz-pops to weight the average delays in service to the public resulting from the licensing delays considered in this study.

$$(\text{total delay days} * \text{total MHz-pops delayed}) / (\text{total MHz-pops delayed}) = \text{weighted average delay days}$$

All of the MHz-pops calculations used to weight license delays in this study have been harmonized to the population counts reported by the U.S. Census Bureau for the year 2000, which better reflect population count during the primary periods in which most license delays occurred.

Calculating Current PCS Spectrum Holdings

This study calculates the current holders of PCS spectrum on a nationwide basis according to the percentage of MHz-pops controlled by each firm or group of firms. Note that the percentage of MHz-pops controlled by a firm is a proxy for the total value of the licenses it holds (based on their potential subscriber coverage) and is *not* reflective of its ability to compete in any particular geographic market.

All of the MHz-pops calculations used to represent current PCS spectrum holdings on a nationwide basis rely on population counts reported by the U.S. Census Bureau for the year 2010.

This study used the most recent FCC Dashboard report as of August 1, 2013, to calculate current spectrum holdings in the PCS band.

¹⁷⁰ See *generally* Restructuring Second Report and Order and Reconsideration of Restructuring Second Report and Order.

¹⁷¹ See 47 C.F.R. §1.1910.

¹⁷² If the bankruptcies had never occurred, the buildout extensions arguably would not have been necessary.

¹⁷³ See, e.g., Applications of American Samoa Telecommunications Authority for Broadband Personal Communications Services and Advanced Wireless Service Licenses, Order, DA 11-106, 26 FCC Rcd. 417 (Jan. 21, 2011) (conditioning the grant of certain PCS and AWS licenses on the divestiture of 20 MHz of spectrum in a particular market).

¹⁷⁴ See CBO Paper at 10.

¹⁷⁵ See Auction of H Block Licenses in the 1915-1920 MHz and 1995-2000 MHz Bands, Comment Sought on Competitive Bidding Procedures for Auction 96, Public Notice, DA 13-1540, 28 FCC Rcd. 10013 at ¶¶ 37-39, 54-59 (Aug. 16, 2013).

¹⁷⁶ See, e.g., Cellco Partnership D/B/A Verizon Wireless and T-Mobile License LLC Seek Consent to the Assignment of Advanced Wireless Service Licenses, Public Notice, 27 FCC Rcd. 7169, 7169 (Jun. 26, 2012) (noting that transaction would transfer approximately 390 million MHz-pops).

¹⁷⁷ See CBO PCS Report at 10.

APPENDIX B: Auctions 4 (B-1), 5/10 (B-2), 11 (B-3 & B-4), and 73 (B-5)

APPENDIX B-1
Auction 4 - PCS A and B BLOCKS

MARKET	BLOCK	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
M003	A		30	13,220,193	AT&T Wireless PCS Inc.	\$ 372,750,000.00						
M004	A		30	13,782,432	WirelessCo, L.P.	\$ 206,500,000.00						
M005	A		30	10,658,459	AT&T Wireless PCS Inc.	\$ 81,177,000.00						
M006	A		30	11,613,265	AT&T Wireless PCS Inc.	\$ 66,616,000.00						
M007	A		30	11,688,918	PCS PRIMECO, L.P.	\$ 87,500,578.00						
M008	A		30	10,009,759	AT&T Wireless PCS Inc.	\$ 121,660,000.00						
M009	A		30	9,510,948	AT&T Wireless PCS Inc.	\$ 80,951,000.00						
M011	A		30	8,731,699	AT&T Wireless PCS Inc.	\$ 198,411,000.00						
M012	A		30	6,621,619	WirelessCo, L.P.	\$ 39,674,673.00						
M013	A		30	6,660,705	American Portable Telecommunications, Inc.	\$ 89,786,837.00						
M014	A		30	6,307,777	American Portable Telecommunications, Inc.	\$ 83,888,837.00						
M015	A		30	6,436,114	WirelessCo, L.P.	\$ 131,723,000.00						
M016	A		30	5,084,468	Ameritech Wireless Communications, Inc.	\$ 87,000,000.00						
M017	A		30	5,399,308	WirelessCo, L.P.	\$ 93,949,001.00						
M018	A		30	4,888,525	AT&T Wireless PCS Inc.	\$ 41,932,000.00						
M019	A		30	5,018,297	AT&T Wireless PCS Inc.	\$ 118,836,000.00						
M020	A		30	4,941,046	WirelessCo, L.P.	\$ 85,043,289.00						
M021	A		30	4,048,998	WirelessCo, L.P.	\$ 28,719,362.00						
M022	A		30	4,907,635	WirelessCo, L.P.	\$ 64,436,000.00						
M023	A		30	4,242,383	AT&T Wireless PCS Inc.	\$ 33,652,000.00						
M024	A		30	4,604,715	GTE Macro Communications Corporation	\$ 106,355,002.00						
M025	A		30	3,917,222	AT&T Wireless PCS Inc.	\$ 56,899,000.00						
M026	A		30	3,905,399	AT&T Wireless PCS Inc.	\$ 49,262,000.00						
M027	A		30	4,906,177	AT&T Wireless PCS Inc.	\$ 78,347,000.00						
M028	A		30	3,761,294	Powertel PCS Partners, L.P.	\$ 43,169,000.00						
M029	A		30	3,555,114	WirelessCo, L.P.	\$ 35,597,000.00						
M030	A		30	3,738,321	Western PCS Corporation	\$ 34,155,030.00						
M031	A		30	3,333,121	WirelessCo, L.P.	\$ 70,433,000.00						
M032	A	P0	30	3,157,069	Western PCS Corporation	\$ 22,100,031.00				VOLUNTARY		
M032	A	P1	10	261			10	261			4,452	2,610
M032	A	P2	10	297			10	297			4,452	2,970
M033	A		30	3,716,676	WirelessCo, L.P.	\$ 54,394,123.00						
M034	A		30	3,202,863	WirelessCo, L.P.	\$ 23,619,168.00						
M035	A		30	2,792,296	WirelessCo, L.P.	\$ 18,893,000.00						
M036	A		30	3,319,967	Western PCS Corporation	\$ 45,847,030.00						
M037	A		30	2,740,381	Powertel PCS Partners, L.P.	\$ 46,000,000.00						
M038	A		30	2,392,826	AT&T Wireless PCS Inc.	\$ 22,290,000.00						
M039	A		30	2,533,752	Western PCS Corporation	\$ 8,634,030.00						
M040	A		30	2,385,905	Southwestern Bell Mobile Systems, Inc.	\$ 12,732,501.00						
M041	A		30	2,029,571	Western PCS Corporation	\$ 11,111,111.00						
M042	A		30	2,178,445	Poka Lambro Telephone Cooperative, Inc.	\$ 5,688,000.00						
M043	A		30	2,165,007	WirelessCo, L.P.	\$ 16,374,000.00						

APPENDIX B-1
Auction 4 - PCS A and B BLOCKS

MARKET	BLOCK	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
M044	A		30	1,944,407	AT&T Wireless PCS Inc.	\$ 10,635,000.00						
M045	A		30	1,794,352	AT&T Wireless PCS Inc.	\$ 4,647,000.00						
M046	A		30	1,206,230	AT&T Wireless PCS Inc.	\$ 4,393,000.00						
M047	A		30	1,211,537	Western PCS Corporation	\$ 22,361,030.00						
M048	A		30	1,224,694	Southwestern Bell Mobile Systems, Inc.	\$ 17,562,369.00						
M049	A		30	626,932	American Portable Telecommunications, Inc.	\$ 1,000,000.00						
M050	A		30	224,026	Poka Lambro Telephone Cooperative, Inc.	\$ 107,000.00			06/23/00	NOBUILDOUT	3,627	6,720,780
M051	A		30	57,291	South Seas Satellite Communications Corp.	\$ 214,555.00			06/23/00	NOBUILDOUT	4,452	1,718,730
M001	B		30	28,198,690	WirelessCo, L.P.	\$ 442,712,000.00						
M002	B		30	22,223,875	Pacific Telesis Mobile Services	\$ 493,500,000.00						
M003	B		30	13,220,193	PCS PRIMECO, L.P.	\$ 385,050,583.00						
M004	B		30	13,782,432	Pacific Telesis Mobile Services	\$ 202,150,000.00						
M005	B		30	10,658,459	WirelessCo, L.P.	\$ 86,107,000.00						
M006	B		30	11,613,265	BellSouth Personal Communications, Inc.	\$ 70,907,001.00						
M007	B		30	11,688,918	WirelessCo, L.P.	\$ 88,444,000.00						
M008	B		30	10,009,759	WirelessCo, L.P.	\$ 127,065,892.00						
M009	B		30	9,510,948	PhillieCo, L.P.	\$ 84,995,012.00						
M010	B		30	8,799,742	AT&T Wireless PCS Inc.	\$ 211,771,000.00						
M011	B		30	8,731,699	GTE Macro Communications Corporation	\$ 184,660,483.00						
M012	B		30	6,621,619	American Portable Telecommunications, Inc.	\$ 36,600,012.00						
M013	B		30	6,660,705	PCS PRIMECO, L.P.	\$ 99,327,723.00						
M014	B		30	6,307,777	PCS PRIMECO, L.P.	\$ 82,680,425.00						
M015	B		30	6,436,114	PCS PRIMECO, L.P.	\$ 126,020,126.00						
M016	B		30	5,084,468	AT&T Wireless PCS Inc.	\$ 85,881,000.00						
M017	B		30	5,399,308	PCS PRIMECO, L.P.	\$ 89,475,484.00						
M018	B		30	4,888,525	GTE Macro Communications Corporation	\$ 42,733,483.00						
M019	B		30	5,018,297	WirelessCo, L.P.	\$ 114,325,789.00						
M020	B		30	4,941,046	PCS PRIMECO, L.P.	\$ 86,000,001.00						
M021	B		30	4,048,998	American Portable Telecommunications, Inc.	\$ 31,665,837.00						
M022	B		30	4,907,635	GTE Macro Communications Corporation	\$ 64,502,483.00						
M023	B		30	4,242,383	PCS PRIMECO, L.P.	\$ 33,045,045.00						
M024	B		30	4,604,715	WirelessCo, L.P.	\$ 105,163,484.00						
M025	B		30	3,917,222	Centennial Cellular Corp.	\$ 54,672,000.00						
M026	B		30	3,905,399	WirelessCo, L.P.	\$ 46,577,000.00						
M027	B		30	4,906,177	WirelessCo, L.P.	\$ 75,608,434.00						
M028	B		30	3,761,294	Southwestern Bell Mobile Systems, Inc.	\$ 43,168,314.00						
M029	B		30	3,555,114	Powertel PCS Partners, L.P.	\$ 35,278,000.00						
M030	B		30	3,738,321	WirelessCo, L.P.	\$ 34,139,785.00						
M031	B		30	3,333,121	Ameritech Wireless Communications, Inc.	\$ 71,100,000.00						
M032	B		30	3,157,069	WirelessCo, L.P.	\$ 21,042,973.00						
M033	B		30	3,716,676	PCS PRIMECO, L.P.	\$ 51,950,059.00						
M034	B		30	3,202,863	American Portable Telecommunications, Inc.	\$ 23,611,837.00						
M035	B		30	2,792,296	AT&T Wireless PCS Inc.	\$ 19,864,000.00						

APPENDIX B-1
Auction 4 - PCS A and B BLOCKS

MARKET	BLOCK	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
M036	B		30	3,319,967	WirelessCo, L.P.	\$ 46,179,852.00						
M037	B		30	2,740,381	PCS PRIMECO, L.P.	\$ 44,500,544.00						
M038	B		30	2,392,826	American Portable Telecommunications, Inc.	\$ 22,176,837.00						
M039	B		30	2,533,752	AT&T Wireless PCS Inc.	\$ 8,634,000.00						
M040	B		30	2,385,905	WirelessCo, L.P.	\$ 12,321,000.00						
M041	B		30	2,029,571	WirelessCo, L.P.	\$ 13,142,346.00						
M042	B		30	2,178,445	WirelessCo, L.P.	\$ 6,191,000.00						
M043	B		30	2,165,007	AT&T Wireless PCS Inc.	\$ 15,810,000.00						
M044	B		30	1,944,407	BellSouth Personal Communications, Inc.	\$ 11,149,000.00						
M045	B		30	1,794,352	Cox Cable Communications, Inc.	\$ 5,078,000.00						
M046	B		30	1,206,230	WirelessCo, L.P.	\$ 4,901,343.00						
M047	B		30	1,211,537	PCS PRIMECO, L.P.	\$ 21,675,432.00						
M048	B		30	1,224,694	WirelessCo, L.P.	\$ 16,801,654.00						
M049	B		30	626,932	GCI Communication Corp.	\$ 1,650,129.00						
M050	B		30	224,026	American Portable Telecommunications, Inc.	\$ 141,837.00						
M051	B		30	57,291	Communications International Corporation	\$ 228,001.00						
TOTALS					A Block Total Net Bids	\$ 2,937,026,557.00					16,983	8,445,090
					B Block Total Net Bids	\$ 4,082,377,240.00					WEIGHTED AVERAGE DELAY (days)	3795.4477
											3795.4477 days = 10 years, 4 months, 21 days	
					(M032 Population Adjustment)	\$ 3,906.10					Total US population	285,620,445
					A Block Delayed Net Bids	\$ 325,461.10					TOTAL A & B BLOCK MHZ-POPS	17,137,226,700
					A Block Undelayed Net Bids	\$ 2,936,701,095.90					% A & B BLOCK MHZ-POPS DELAYED	0.0005 0.05%
					A Block % Net Bids Impacted	0.000111					TOTAL A BLOCK MHZ-POPS	8,568,613,350.00
											% A BLOCK MHZ-POPS DELAYED	0.0010 0.10%

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

														BANKRUPTCY	
MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B001	C	30	86789	MCG PCS, Inc.	\$ 411,666.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	2,603,670	
B001	C1	15	86789												
B001	C2	15	86789												
B001	C3	10	86789												
B001	C4	10	86789												
B001	C5	10	86789												
B002	C0	30	88178	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 471,750.00										
B002	C1	15	88178												
B002	C2	15	88178					06/08/98	DISAGGREGATION_RESUME				1,074	1,322,670	
B002	C3	10	88178												
B002	C4	10	88178												
B002	C5	10	88178												
B003	C0	30	261706	Poka Lambro PCS, Inc.	\$ 4,024,583.25										
B003	C1	15	261706												
B003	C2	15	261706					06/08/98	DISAGGREGATION_RESUME				1,074	3,925,590	
B003	C3	10	261706												
B003	C4	10	261706												
B003	C5	10	261706												
B004	C	30	55053	OnQue Communications, Inc.	\$ 783,000.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT						
B004	C1	15	55053												
B004	C2	15	55053												
B004	C3	10	55053										1,726	550,530	
B004	C4	10	55053										1,726	550,530	
B004	C5	10	55053										1,726	550,530	
B005	C0	30	98890	DCR PCS, Inc.	\$ 701,250.00					03/31/97					
B005	C1	15	98890												
B005	C2	15	98890					06/08/98	DISAGGREGATION_PREPAY				1,074	1,483,350	
B005	C3	10	98890												
B005	C4	10	98890												
B005	C5	10	98890												
B006	C0	30	355474	Enterprise Communications Partnership	\$ 4,839,750.75										
B006	C1	15	355474												
B006	C2	15	355474					06/08/98	DISAGGREGATION_RESUME				1,074	5,332,110	
B006	C3	10	355474												
B006	C4	10	355474												
B006	C5	10	355474												
B007	C	30	1047324	NextWave Personal Communications Inc.	\$ 34,021,500.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B007	C1	15	1047324												
B007	C2	15	1047324												
B007	C3	10	1047324										3,207	10,473,240	
B007	C4	10	1047324										3,207	10,473,240	
B007	C5	10	1047324										3,207	10,473,240	
B008	C0	30	831850	BDPCS, Inc.	\$ 25,732,500.00	05/30/96			NOPAY_DOWNPAYMENT						
B008	C1	15	831850												
B008	C2	15	831850					06/08/98	DISAGGREGATION_RESUME				1,726	12,477,750	
B008	C3	10	831850										1,074	12,477,750	
B008	C4	10	831850												
B008	C5	10	831850												
B009	C0	30	270223	Wireless 2000, Inc.	\$ 5,230,575.00										
B009	C1	15	270223												
B009	C2	15	270223					06/08/98	DISAGGREGATION_RESUME				1,074	4,053,345	
B009	C3	10	270223												
B009	C4	10	270223												
B009	C5	10	270223												
B010	C	30	740395	NextWave Personal Communications Inc.	\$ 18,208,500.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B010	C1	15	740395												
B010	C2	15	740395												
B010	C3	10	740395								04/08/04		2,894	7,403,950	
B010	C4	10	740395										3,207	7,403,950	
B010	C5	10	740395										3,207	7,403,950	

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B011	C	30	67759	Northern Michigan PCS Consortium L.L.C.	\$ 475,500.00			06/08/98	AMNESTY_BID				1,074	2,032,770	
B011	C1	15	67759												
B011	C2	15	67759												
B011	C3	10	67759												
B011	C4	10	67759												
B011	C5	10	67759												
B012	C0	30	224714	Longstreet Communication International, Inc	\$ 2,218,500.00			04/08/99	NOPAY_DOWNPAYMENT						
B012	C1	15	224714										1,726	3,370,710	
B012	C2	15	224714					06/08/98	DISAGGREGATION_RESUME				1,074	3,370,710	
B012	C3	10	224714												
B012	C4	10	224714												
B012	C5	10	224714												
B013	C	30	410323	Omnipoint PCS Entrepreneurs, Inc.	\$ 7,252,500.00			06/08/98	AMNESTY_BID				1,074	12,309,690	
B013	C1	15	410323												
B013	C2	15	410323												
B013	C3	10	410323												
B013	C4	10	410323												
B013	C5	10	410323												
B014	C	30	456392	Americall International, L.L.C.	\$ 4,922,250.00			06/08/98	AMNESTY_BID				1,074	13,691,760	
B014	C1	15	456392												
B014	C2	15	456392												
B014	C3	10	456392												
B014	C4	10	456392												
B014	C5	10	456392												
B015	C	30	181866	Communications Venture PCS Limited Partnership	\$ 2,083,711.50			06/08/98	AMNESTY_BID				1,074	5,455,980	
B015	C1	15	181866												
B015	C2	15	181866												
B015	C3	10	181866												
B015	C4	10	181866												
B015	C5	10	181866												
B016	C	30	347350	Carolina PCS I Limited Partnership	\$ 8,695,920.00										
B016	C1	15	347350												
B016	C2	15	347350												
B016	C3	10	347350												
B016	C4	10	347350												
B016	C5	10	347350												
B017	C0	30	163006	Mercury PCS, L.L.C.	\$ 1,489,728.75										
B017	C1	15	163006												
B017	C2	15	163006					06/08/98	DISAGGREGATION_RESUME				1,074	2,445,090	
B017	C3	10	163006												
B017	C4	10	163006												
B017	C5	10	163006												
B018	C	30	452355	Wireless PCS, Inc.	\$ 9,919,501.50			07/31/99	NOPAY_INSTALLMENT	07/28/99	03/31/11		5,442	13,570,650	
B018	C1	15	452355												
B018	C2	15	452355												
B018	C3	10	452355												
B018	C4	10	452355												
B018	C5	10	452355												
B019	C	30	90772	OnQue Communications, Inc.	\$ 1,653,750.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	2,723,160	
B019	C1	15	90772												
B019	C2	15	90772												
B019	C3	10	90772												
B019	C4	10	90772												
B019	C5	10	90772												
B020	C	30	608250	NextWave Personal Communications Inc.	\$ 7,726,500.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B020	C1	15	608250												
B020	C2	15	608250												
B020	C3	10	608250										3,207	6,082,500	
B020	C4	10	608250										3,207	6,082,500	
B020	C5	10	608250										3,207	6,082,500	

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B021	C	30	102728	WIRELESS VENTURES, INC.	\$ 900,000.00			10/30/98	NOPAY_INSTALLMENT				1,074	3,081,840	
B021	C1	15	102728												
B021	C2	15	102728												
B021	C3	10	102728												
B021	C4	10	102728												
B021	C5	10	102728												
B022	C	30	207668	GWI PCS, Inc.	\$ 5,953,500.00					10/20/97					
B022	C1	15	207668												
B022	C2	15	207668												
B022	C3	10	207668												
B022	C4	10	207668												
B022	C5	10	207668												
B023	C	30	130742	The Chillicothe Telephone Co.-Communications, Inc.	\$ 1,356,825.00			06/08/98	NOTAFFORD_PREPAYMENT				1,074	3,922,260	
B023	C1	15	130742												
B023	C2	15	130742												
B023	C3	10	130742												
B023	C4	10	130742												
B023	C5	10	130742												
B024	C	30	4407446	GWI PCS, Inc.	\$ 199,152,000.00					10/20/97					
B024	C1	15	4407446												
B024	C2	15	4407446												
B024	C3	10	4407446												
B024	C4	10	4407446												
B024	C5	10	4407446												
B025	C0	30	354878	Omnipoint PCS Entrepreneurs, Inc.	\$ 14,625,011.25										
B025	C1	15	354878												
B025	C2	15	354878					06/08/98	DISAGGREGATION_RESUME				1,074	5,323,170	
B025	C3	10	354878												
B025	C4	10	354878												
B025	C5	10	354878												
B026	C	30	590218	Savannah Independent PCS Corporation	\$ 13,067,250.00			06/08/98	AMNESTY_BID				1,074	17,706,540	
B026	C1	15	590218												
B026	C2	15	590218												
B026	C3	10	590218												
B026	C4	10	590218												
B026	C5	10	590218												
B027	C	30	1325029	NextWave Personal Communications Inc.	\$ 49,192,500.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B027	C1	15	1325029												
B027	C2	15	1325029												
B027	C3	10	1325029										3,207	13,250,290	
B027	C4	10	1325029										3,207	13,250,290	
B027	C5	10	1325029										3,207	13,250,290	
B028	C	30	661645	PCS 2000, L.P.	\$ 26,941,575.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	19,849,350	
B028	C1	15	661645												
B028	C2	15	661645												
B028	C3	10	661645												
B028	C4	10	661645												
B028	C5	10	661645												
B029	C	30	2606003	NextWave Personal Communications Inc.	\$ 94,134,000.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B029	C1	15	2606003												
B029	C2	15	2606003												
B029	C3	10	2606003								04/13/05		3,264	26,060,030	
B029	C4	10	2606003								04/13/05		3,264	26,060,030	
B029	C5	10	2606003								04/08/04		2,894	26,060,030	
B030	C0	30	323784	Personal Communications Network, Inc.	\$ 4,130,250.00			07/31/99	NOPAY_INSTALLMENT	08/06/99					
B030	C1	15	323784												
B030	C2	15	323784					06/08/98	DISAGGREGATION_RESUME				1,726	4,856,760	
B030	C3	10	323784										1,074	4,856,760	
B030	C4	10	323784												
B030	C5	10	323784												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B031	C0	30	48996	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 214,501.50										
B031	C1	15	48996												
B031	C2	15	48996					06/08/98	DISAGGREGATION_RESUME				1,074	734,940	
B031	C3	10	48996												
B031	C4	10	48996												
B031	C5	10	48996												
B032	C	30	705760	Meretel Communications, LP	\$ 25,515,000.00			06/08/98	AMNESTY_BID				1,074	21,172,800	
B032	C1	15	705760												
B032	C2	15	705760												
B032	C3	10	705760												
B032	C4	10	705760												
B032	C5	10	705760												
B033	C0	30	240527	DCR PCS, Inc.	\$ 6,284,250.00					03/31/97					
B033	C1	15	240527												
B033	C2	15	240527					06/08/98	DISAGGREGATION_PREPAY				1,074	3,607,905	
B033	C3	10	240527												
B033	C4	10	240527												
B033	C5	10	240527												
B034	C	30	467106	Meretel Communications, LP	\$ 15,083,250.00			06/08/98	AMNESTY_BID				1,074	14,013,180	
B034	C1	15	467106												
B034	C2	15	467106												
B034	C3	10	467106												
B034	C4	10	467106												
B034	C5	10	467106												
B035	C	30	166963	Devon Mobile Communications, L.P.	\$ 731,257.50			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	5,008,890	
B035	C1	15	166963												
B035	C2	15	166963												
B035	C3	10	166963												
B035	C4	10	166963												
B035	C5	10	166963												
B036	C	30	166814	BDPCS, Inc.	\$ 4,959,000.00	05/30/96			NOPAY_DOWNPAYMENT						NOPAY_INSTALLMENT
B036	C1	15	166814												
B036	C2	15	166814												
B036	C3	10	166814										3,207	1,668,140	
B036	C4	10	166814										3,207	1,668,140	
B036	C5	10	166814										3,207	1,668,140	
B037	C0	30	66449	Integrated Communications Group Corporation	\$ 270,000.00										
B037	C1	15	66449												
B037	C2	15	66449					06/08/98	DISAGGREGATION_PREPAY				1,074	996,735	
B037	C3	10	66449												
B037	C4	10	66449												
B037	C5	10	66449												
B038	C	30	153558	Aer Force Communications, L.P.	\$ 1,666,500.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	4,606,740	
B038	C1	15	153558												
B038	C2	15	153558												
B038	C3	10	153558												
B038	C4	10	153558												
B038	C5	10	153558												
B039	C	30	162453	R & S PCS, Inc.	\$ 4,206,000.00			06/08/98	AMNESTY_BID				1,074	4,873,590	
B039	C1	15	162453												
B039	C2	15	162453												
B039	C3	10	162453												
B039	C4	10	162453												
B039	C5	10	162453												
B040	C0	30	35762	Poka Lambro PCS, Inc.	\$ 650,625.75										
B040	C1	15	35762												
B040	C2	15	35762					06/08/98	DISAGGREGATION_RESUME				1,074	536,430	
B040	C3	10	35762												
B040	C4	10	35762												
B040	C5	10	35762												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B041	C	30	312138	POLYCELL COMMUNICATIONS, INC.	\$ 3,210,833.25				BR_ASSIGN_DELAY	07/24/03	08/25/05		3,398	9,364,140	
B041	C1	15	312138												
B041	C2	15	312138												
B041	C3	10	312138												
B041	C4	10	312138												
B041	C5	10	312138												
B042	C	30	396754	Mobile Tri-States L.P. 130	\$ 12,784,500.00										
B042	C1	15	396754												
B042	C2	15	396754												
B042	C3	10	396754												
B042	C4	10	396754												
B042	C5	10	396754												
B043	C0	30	345959	21st Century Telesis Joint Venture	\$ 6,902,253.75				01/28/00 NOPAY_INSTALLMENT						
B043	C1	15	345959										1,726	5,189,385	
B043	C2	15	345959						06/08/98 DISAGGREGATION_RESUME				1,726	5,189,385	
B043	C3	10	345959												
B043	C4	10	345959												
B043	C5	10	345959												
B044	C0	30	1319776	Mercury PCS, L.L.C.	\$ 47,250,235.50										
B044	C1	15	1319776												
B044	C2	15	1319776						06/08/98 DISAGGREGATION_RESUME				1,074	19,796,640	
B044	C3	10	1319776												
B044	C4	10	1319776												
B044	C5	10	1319776												
B045	C	30	129398	MCG PCS, Inc.	\$ 557,274.75				06/08/98 AMNESTY_PREPAYMENT_CREDIT						
B045	C1	15	129398												
B045	C2	15	129398												
B045	C3	10	129398										1,726	1,293,980	
B045	C4	10	129398										1,726	1,293,980	
B045	C5	10	129398										1,726	1,293,980	
B046	C	30	238092	DCR PCS, Inc.	\$ 5,391,000.00				06/08/98 AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	7,142,760	
B046	C1	15	238092												
B046	C2	15	238092												
B046	C3	10	238092												
B046	C4	10	238092												
B046	C5	10	238092												
B047	C	30	240734	NextWave Personal Communications Inc.	\$ 5,679,750.00				10/30/98 NOPAY_INSTALLMENT	06/08/98					
B047	C1	15	240734												
B047	C2	15	240734												
B047	C3	10	240734										3,207	2,407,340	
B047	C4	10	240734										3,207	2,407,340	
B047	C5	10	240734										3,207	2,407,340	
B048	C	30	168756	Devon Mobile Communications, L.P.	\$ 1,458,750.75				06/08/98 AMNESTY_PREPAYMENT_CREDIT				1,074	5,062,680	
B048	C1	15	168756												
B048	C2	15	168756												
B048	C3	10	168756												
B048	C4	10	168756												
B048	C5	10	168756												
B049	C	30	72026	Eldorado Communications, L.L.C.	\$ 471,750.00				06/08/98 AMNESTY_BID				1,074	2,160,780	
B049	C1	15	72026												
B049	C2	15	72026												
B049	C3	10	72026												
B049	C4	10	72026												
B049	C5	10	72026												
B050	C	30	584008	PCS 2000, L.P.	\$ 7,742,325.00				06/08/98 AMNESTY_PREPAYMENT_CREDIT				1,074	17,520,240	
B050	C1	15	584008												
B050	C2	15	584008												
B050	C3	10	584008												
B050	C4	10	584008												
B050	C5	10	584008												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B051	C	30	4391344	NextWave Personal Communications Inc.	\$ 231,174,000.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B051	C1	15	4391344												
B051	C2	15	4391344												
B051	C3	10	4391344								04/13/05		3,264	43,913,440	
B051	C4	10	4391344								04/13/05		3,264	43,913,440	
B051	C5	10	4391344								04/08/04		2,894	43,913,440	
B052	C	30	254561	SouthEast Telephone Limited Partnership, Ltd.	\$ 3,783,750.00			10/30/98	NOPAY_INSTALLMENT				1,074	7,636,830	
B052	C1	15	254561												
B052	C2	15	254561												
B052	C3	10	254561												
B052	C4	10	254561												
B052	C5	10	254561												
B053	C	30	83525	Mountain Solutions, Ltd	\$ 1,714,500.75	04/28/97			NOPAY_DOWNPAYMENT				1,074	2,505,750	
B053	C1	15	83525												
B053	C2	15	83525												
B053	C3	10	83525												
B053	C4	10	83525												
B053	C5	10	83525												
B054	C0	30	97550	Western Minnesota PCS Limited Partnership	\$ 333,300.75			09/17/01	NOBUILDOUT				4,032	1,463,250	
B054	C1	15	97550										1,074	1,463,250	
B054	C2	15	97550					06/08/98	DISAGGREGATION_RESUME						
B054	C3	10	97550												
B054	C4	10	97550												
B054	C5	10	97550												
B055	C0	30	231969	BDPCS, Inc.	\$ 10,234,500.00	05/30/96			NOPAY_DOWNPAYMENT						
B055	C1	15	231969												
B055	C2	15	231969					06/08/98	DISAGGREGATION_RESUME				1,726	3,479,535	
B055	C3	10	231969												
B055	C4	10	231969												
B055	C5	10	231969												
B056	C	30	355309	NextWave Personal Communications Inc.	\$ 13,217,250.00			10/30/98	NOPAY_INSTALLMENT	06/08/98				10,659,270	
B056	C1	15	355309												
B056	C2	15	355309												
B056	C3	10	355309										3,207		
B056	C4	10	355309										3,207		
B056	C5	10	355309										4,032		
B057	C	30	63037	Rosas, Inc.	\$ 976,500.00			06/08/98	AMNESTY_BID				1,074	1,891,110	
B057	C1	15	63037												
B057	C2	15	63037												
B057	C3	10	63037												
B057	C4	10	63037												
B057	C5	10	63037												
B058	C0	30	78415	KMTel L.L.C.	\$ 1,232,325.00										
B058	C1	15	78415												
B058	C2	15	78415					06/08/98	DISAGGREGATION_RESUME				1,074	1,176,225	
B058	C3	10	78415												
B058	C4	10	78415												
B058	C5	10	78415												
B059	C	30	184885	NextWave Personal Communications Inc.	\$ 4,437,794.25			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B059	C1	15	184885												
B059	C2	15	184885												
B059	C3	10	184885										3,207	1,848,850	
B059	C4	10	184885										3,207	1,848,850	
B059	C5	10	184885										3,207	1,848,850	
B060	C	30	1213535	Omnipoint PCS Entrepreneurs, Inc.	\$ 34,326,011.25			06/08/98	AMNESTY_BID				1,074	36,406,050	
B060	C1	15	1213535												
B060	C2	15	1213535												
B060	C3	10	1213535												
B060	C4	10	1213535												
B060	C5	10	1213535												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B061	C	30	136489	BRK WIRELESS CO., INC.	\$ 594,753.75										
B061	C1	15	136489												
B061	C2	15	136489												
B061	C3	10	136489												
B061	C4	10	136489												
B061	C5	10	136489												
B062	C	30	130800	Urban Communicators PCS Limited Partnership	\$ 1,669,500.00			10/30/98	NOPAY_INSTALLMENT	10/28/98					
B062	C1	15	130800												
B062	C2	15	130800												
B062	C3	10	130800								11/30/06		3,860	1,308,000	
B062	C4	10	130800				10						4,489	1,308,000	
B062	C5	10	130800								07/13/05		3,355	1,308,000	
B063	C0	30	406799	Personal Communications Network, Inc.	\$ 8,721,000.00			07/31/99	NOPAY_INSTALLMENT	08/06/99					
B063	C1	15	406799										1,726	6,101,985	
B063	C2	15	406799					06/08/98	DISAGGREGATION_RESUME				1,726	6,101,985	
B063	C3	10	406799												
B063	C4	10	406799												
B063	C5	10	406799												
B064	C	30	67256	MCG PCS, Inc.	\$ 260,832.75			06/08/98	AMNESTY_PREPAYMENT_CREDIT						
B064	C1	15	67256												
B064	C2	15	67256												
B064	C3	10	67256										1,726	672,560	
B064	C4	10	67256										1,726	672,560	
B064	C5	10	67256										1,726	672,560	
B065	C	30	534503	R & S PCS, Inc.	\$ 8,987,250.00			06/08/98	AMNESTY_BID				1,074	16,035,090	
B065	C1	15	534503												
B065	C2	15	534503												
B065	C3	10	534503												
B065	C4	10	534503												
B065	C5	10	534503												
B066	C	30	189401	ROBERTS-ROBERTS & ASSOCIATES, LLC	\$ 2,502,750.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	5,682,030	
B066	C1	15	189401												
B066	C2	15	189401												
B066	C3	10	189401												
B066	C4	10	189401												
B066	C5	10	189401												
B067	C	30	214191	DCR PCS, Inc.	\$ 2,370,750.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97					
B067	C1	15	214191												
B067	C2	15	214191												
B067	C3	10	214191										1,726	2,141,910	
B067	C4	10	214191										1,726	2,141,910	
B067	C5	10	214191										1,726	2,141,910	
B068	C	30	51658	High Country Communications, L.P.	\$ 521,250.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	1,549,740	
B068	C1	15	51658												
B068	C2	15	51658												
B068	C3	10	51658												
B068	C4	10	51658												
B068	C5	10	51658												
B069	C	30	146211	High Country Communications, L.P.	\$ 1,531,500.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	4,386,330	
B069	C1	15	146211												
B069	C2	15	146211												
B069	C3	10	146211												
B069	C4	10	146211												
B069	C5	10	146211												
B070	C	30	289492	Wireless PCS, Inc.	\$ 5,171,251.50			07/31/99	NOPAY_INSTALLMENT	07/28/99	03/31/11		5,442	8,684,760	
B070	C1	15	289492												
B070	C2	15	289492												
B070	C3	10	289492												
B070	C4	10	289492												
B070	C5	10	289492												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B071	C	30	230197	DCR PCS, Inc.	\$ 6,065,250.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	6,905,910	
B071	C1	15	230197												
B071	C2	15	230197												
B071	C3	10	230197												
B071	C4	10	230197												
B071	C5	10	230197												
B072	C	30	680311	Carolina PCS I Limited Partnership	\$ 25,025,271.75										
B072	C1	15	680311												
B072	C2	15	680311												
B072	C3	10	680311												
B072	C4	10	680311												
B072	C5	10	680311												
B073	C0	30	486731	PCS Mobile America, Inc.	\$ 7,925,250.75										
B073	C1	15	486731												
B073	C2	15	486731					06/08/98	DISAGGREGATION_RESUME				1,074	7,300,965	
B073	C3	10	486731												
B073	C4	10	486731												
B073	C5	10	486731												
B074	C	30	2078083	NextWave Personal Communications Inc.	\$ 83,651,250.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B074	C1	15	2078083												
B074	C2	15	2078083												
B074	C3	10	2078083										3,207	20,780,830	
B074	C4	10	2078083										3,207	20,780,830	
B074	C5	10	2078083										3,207	20,780,830	
B075	C	30	228045	Virginia PCS Alliance Consortium	\$ 7,415,250.00										
B075	C1	15	228045												
B075	C2	15	228045												
B075	C3	10	228045												
B075	C4	10	228045												
B075	C5	10	228045												
B076	C0	30	568186	Chase Telecommunications L.P.	\$ 15,966,000.00										
B076	C1	15	568186												
B076	C2	15	568186					06/08/98	DISAGGREGATION_RESUME				1,074	8,522,790	
B076	C3	10	568186												
B076	C4	10	568186												
B076	C5	10	568186												
B077	C	30	113621	High Country Communications, L.P.	\$ 3,684,750.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT						
B077	C1	15	113621												
B077	C2	15	113621												
B077	C3	10	113621										1,726	1,136,210	
B077	C4	10	113621										1,726	1,136,210	
B077	C5	10	113621										1,726	1,136,210	
B078	C	30	9098316	DCR PCS, Inc.	\$ 461,009,045.25			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	272,949,480	
B078	C1	15	9098316												
B078	C2	15	9098316												
B078	C3	10	9098316												
B078	C4	10	9098316												
B078	C5	10	9098316												
B079	C	30	229624	GWI PCS, Inc.	\$ 5,509,500.00					10/20/97					
B079	C1	15	229624												
B079	C2	15	229624												
B079	C3	10	229624												
B079	C4	10	229624												
B079	C5	10	229624												
B080	C0	30	101040	The Chillicothe Telephone Co.-Communications, Inc.	\$ 1,612,500.00										
B080	C1	15	101040												
B080	C2	15	101040					06/08/98	DISAGGREGATION_PREPAY				1,074	1,515,600	
B080	C3	10	101040												
B080	C4	10	101040												
B080	C5	10	101040												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B081	C	30	2170768	NextWave Personal Communications Inc.	\$ 69,444,000.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B081	C1	15	2170768												
B081	C2	15	2170768												
B081	C3	10	2170768										3,207	21,707,680	
B081	C4	10	2170768										3,207	21,707,680	
B081	C5	10	2170768										3,207	21,707,680	
B082	C	30	190767	POLYCELL COMMUNICATIONS, INC.	\$ 788,250.00			09/06/06	NOPAY_INSTALLMENT	07/24/03					
B082	C1	15	190767												
B082	C2	15	190767												
B082	C3	10	190767								02/06/06		3,563	1,907,670	
B082	C4	10	190767				10						4,032	1,907,670	
B082	C5	10	190767												
B083	C0	30	265119	Chase Telecommunications L.P.	\$ 4,177,768.50										
B083	C1	15	265119												
B083	C2	15	265119					06/08/98	DISAGGREGATION_RESUME				1,074	3,976,785	
B083	C3	10	265119												
B083	C4	10	265119												
B083	C5	10	265119												
B084	C	30	2993610	NextWave Personal Communications Inc.	\$ 128,691,000.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B084	C1	15	2993610												
B084	C2	15	2993610												
B084	C3	10	2993610										3,207	29,936,100	
B084	C4	10	2993610										3,207	29,936,100	
B084	C5	10	2993610										3,207	29,936,100	
B085	C	30	104015	SOUTHERN COMMUNICATIONS SYSTEMS, INC.	\$ 506,250.00			04/30/99	NOPAY_INSTALLMENT						
B085	C1	15	104015												
B085	C2	15	104015												
B085	C3	10	104015										1,726	1,040,150	
B085	C4	10	104015										1,726	1,040,150	
B085	C5	10	104015										1,726	1,040,150	
B086	C	30	147772	POLYCELL COMMUNICATIONS, INC.	\$ 863,333.25										
B086	C1	15	147772												
B086	C2	15	147772												
B086	C3	10	147772												
B086	C4	10	147772												
B086	C5	10	147772												
B087	C0	30	75318	Poka Lambro/PVT Wireless Limited Partnership	\$ 375,006.75										
B087	C1	15	75318												
B087	C2	15	75318					06/08/98	DISAGGREGATION_RESUME				1,074	1,129,770	
B087	C3	10	75318												
B087	C4	10	75318												
B087	C5	10	75318												
B088	C0	30	61512	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 435,549.00										
B088	C1	15	61512												
B088	C2	15	61512					06/08/98	DISAGGREGATION_RESUME				1,074	922,680	
B088	C3	10	61512												
B088	C4	10	61512												
B088	C5	10	61512												
B089	C	30	537484	BDPCS, Inc.	\$ 13,617,750.00	05/30/96			NOPAY_DOWNPAYMENT						NOPAY_DOWNPAYMENT
B089	C1	15	537484												
B089	C2	15	537484												
B089	C3	10	537484										3,207	5,374,840	
B089	C4	10	537484										3,207	5,374,840	
B089	C5	10	537484										3,207	5,374,840	
B090	C	30	216756	DCR PCS, Inc.	\$ 3,518,250.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	6,502,680	
B090	C1	15	216756												
B090	C2	15	216756												
B090	C3	10	216756												
B090	C4	10	216756												
B090	C5	10	216756												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B091	C	30	668081	Carolina PCS I Limited Partnership	\$ 22,111,558.50										
B091	C1	15	668081												
B091	C2	15	668081												
B091	C3	10	668081												
B091	C4	10	668081												
B091	C5	10	668081												
B092	C	30	364510	R & S PCS, Inc.	\$ 5,265,000.00			06/08/98	AMNESTY_BID				1,074	10,935,300	
B092	C1	15	364510												
B092	C2	15	364510												
B092	C3	10	364510												
B092	C4	10	364510												
B092	C5	10	364510												
B093	C	30	155281	NextWave Personal Communications Inc.	\$ 1,208,250.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B093	C1	15	155281												
B093	C2	15	155281												
B093	C3	10	155281										3,207	1,552,810	
B093	C4	10	155281										3,207	1,552,810	
B093	C5	10	155281										3,207	1,552,810	
B094	C0	30	174971	Mobile Tri-States L.P. 130	\$ 2,343,750.00										
B094	C1	15	174971												
B094	C2	15	174971					06/08/98	DISAGGREGATION_RESUME				1,074	2,624,565	
B094	C3	10	174971												
B094	C4	10	174971												
B094	C5	10	174971												
B095	C	30	1692240	NextWave Personal Communications Inc.	\$ 45,475,500.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B095	C1	15	1692240												
B095	C2	15	1692240												
B095	C3	10	1692240										3,207	16,922,400	
B095	C4	10	1692240										3,207	16,922,400	
B095	C5	10	1692240										3,207	16,922,400	
B096	C0	30	138089	Chase Telecommunications L.P.	\$ 1,306,554.00			09/16/03	NOPAY_INSTALLMENT						
B096	C1	15	138089												
B096	C2	15	138089					06/08/98	DISAGGREGATION_RESUME				1,074	2,071,335	
B096	C3	10	138089												
B096	C4	10	138089												
B096	C5	10	138089												
B097	C	30	83916	POLYCELL COMMUNICATIONS, INC.	\$ 334,500.00				BR_ASSIGN_DELAY	07/24/03	12/08/04		3,138	2,517,480	
B097	C1	15	83916												
B097	C2	15	83916												
B097	C3	10	83916												
B097	C4	10	83916												
B097	C5	10	83916												
B098	C0	30	144931	Third Kentucky Cellular Corporation	\$ 2,205,750.00			02/03/04	NOPAY_INSTALLMENT						
B098	C1	15	144931												
B098	C2	15	144931					06/08/98	DISAGGREGATION_RESUME				1,074	2,173,965	
B098	C3	10	144931												
B098	C4	10	144931												
B098	C5	10	144931												
B099	C	30	548161	Americall International, L.L.C.	\$ 10,306,508.25			06/08/98	AMNESTY_BID				1,074	16,444,830	
B099	C1	15	548161												
B099	C2	15	548161												
B099	C3	10	548161												
B099	C4	10	548161												
B099	C5	10	548161												
B100	C	30	163356	Aer Force Communications, L.P.	\$ 2,516,250.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	4,900,680	
B100	C1	15	163356												
B100	C2	15	163356												
B100	C3	10	163356												
B100	C4	10	163356												
B100	C5	10	163356												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B101	C	30	5571828	DCR PCS, Inc.	\$ 291,023,250.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	167,154,840	
B101	C1	15	5571828												
B101	C2	15	5571828												
B101	C3	10	5571828												
B101	C4	10	5571828												
B101	C5	10	5571828												
B102	C	30	120031	Southeast Wireless Communications, L.P.	\$ 1,221,000.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	3,600,930	
B102	C1	15	120031												
B102	C2	15	120031												
B102	C3	10	120031												
B102	C4	10	120031												
B102	C5	10	120031												
B103	C0	30	110292	21st Century Telesis Joint Venture	\$ 1,894,256.25			01/28/00	NOPAY_INSTALLMENT						
B103	C1	15	110292										1,726	1,654,380	
B103	C2	15	110292					06/08/98	DISAGGREGATION_RESUME				1,074	1,654,380	
B103	C3	10	110292												
B103	C4	10	110292												
B103	C5	10	110292												
B104	C	30	171012	Southeast Wireless Communications, L.P.	\$ 6,534,753.75			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	5,130,360	
B104	C1	15	171012												
B104	C2	15	171012												
B104	C3	10	171012												
B104	C4	10	171012												
B104	C5	10	171012												
B105	C	30	429924	Aer Force Communications, L.P.	\$ 13,889,250.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	12,897,720	
B105	C1	15	429924												
B105	C2	15	429924												
B105	C3	10	429924												
B105	C4	10	429924												
B105	C5	10	429924												
B106	C	30	1219933	NextWave Personal Communications Inc.	\$ 33,697,500.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B106	C1	15	1219933												
B106	C2	15	1219933												
B106	C3	10	1219933										3,207	12,199,330	
B106	C4	10	1219933										3,207	12,199,330	
B106	C5	10	1219933										3,207	12,199,330	
B107	C	30	493175	Aer Force Communications, L.P.	\$ 18,351,000.00			06/08/98	NOTAFFORD_PREPAYMENT				1,074	14,795,250	
B107	C1	15	493175												
B107	C2	15	493175												
B107	C3	10	493175												
B107	C4	10	493175												
B107	C5	10	493175												
B108	C0	30	145867	Mercury PCS, L.L.C.	\$ 2,901,158.25										
B108	C1	15	145867												
B108	C2	15	145867					06/08/98	DISAGGREGATION_RESUME				1,074	2,188,005	
B108	C3	10	145867												
B108	C4	10	145867												
B108	C5	10	145867												
B109	C	30	248778	DCR PCS, Inc.	\$ 6,142,500.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	7,463,340	
B109	C1	15	248778												
B109	C2	15	248778												
B109	C3	10	248778												
B109	C4	10	248778												
B109	C5	10	248778												
B110	C	30	2712488	BDPCS, Inc.	\$ 121,161,000.00	05/30/96			NOPAY_DOWNPAYMENT						NOPAY_INSTALLMENT
B110	C1	15	2712488												
B110	C2	15	2712488												
B110	C3	10	2712488										3,264	27,124,880	
B110	C4	10	2712488										3,207	27,124,880	
B110	C5	10	2712488										3,207	27,124,880	

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B111	C	30	804543	Aer Force Communications, L.P.	\$ 19,164,750.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	24,136,290	
B111	C1	15	804543												
B111	C2	15	804543												
B111	C3	10	804543												
B111	C4	10	804543												
B111	C5	10	804543												
B112	C	30	4965944	DCR PCS, Inc.	\$ 172,738,500.00			06/08/98	NOTAFFORD_PREPAYMENT	03/31/97			1,074	148,978,320	
B112	C1	15	4965944												
B112	C2	15	4965944												
B112	C3	10	4965944												
B112	C4	10	4965944												
B112	C5	10	4965944												
B113	C	30	35772	MCG PCS, Inc.	\$ 205,500.75			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	1,073,160	
B113	C1	15	35772												
B113	C2	15	35772												
B113	C3	10	35772												
B113	C4	10	35772												
B113	C5	10	35772												
B114	C	30	42837	CELLUTECH	\$ 102,375.00										
B114	C1	15	42837												
B114	C2	15	42837												
B114	C3	10	42837												
B114	C4	10	42837												
B114	C5	10	42837												
B115	C0	30	223605	Enterprise Communications Partnership	\$ 4,518,000.75										
B115	C1	15	223605												
B115	C2	15	223605					06/08/98	DISAGGREGATION_RESUME				1,074	3,354,075	
B115	C3	10	223605												
B115	C4	10	223605												
B115	C5	10	223605												
B116	C0	30	313107	Omnipoint PCS Entrepreneurs, Inc.	\$ 8,798,261.25										
B116	C1	15	313107												
B116	C2	15	313107					06/08/98	DISAGGREGATION_RESUME				1,074	4,696,605	
B116	C3	10	313107												
B116	C4	10	313107												
B116	C5	10	313107												
B117	C0	30	129314	Devon Mobile Communications, L.P.	\$ 1,656,757.50			10/31/03	NOPAY_INSTALLMENT	08/19/02					
B117	C1	15	129314										3,207	1,939,710	
B117	C2	15	129314					06/08/98	DISAGGREGATION_RESUME				1,726	1,939,710	
B117	C3	10	129314												
B117	C4	10	129314												
B117	C5	10	129314												
B118	C	30	179707	Aer Force Communications, L.P.	\$ 5,328,000.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	5,391,210	
B118	C1	15	179707												
B118	C2	15	179707												
B118	C3	10	179707												
B118	C4	10	179707												
B118	C5	10	179707												
B119	C	30	413956	RLV-PCS I PARTNERSHIP	\$ 4,032,750.75										
B119	C1	15	413956												
B119	C2	15	413956												
B119	C3	10	413956												
B119	C4	10	413956												
B119	C5	10	413956												
B120	C0	30	120330	Chase Telecommunications L.P.	\$ 1,238,475.00										
B120	C1	15	120330												
B120	C2	15	120330					06/08/98	DISAGGREGATION_RESUME				1,074	1,804,950	
B120	C3	10	120330												
B120	C4	10	120330												
B120	C5	10	120330												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B121	C	30	117380	Rosas, Inc.	\$ 941,250.00			06/08/98	AMNESTY_BID				1,074	3,521,400	
B121	C1	15	117380												
B121	C2	15	117380												
B121	C3	10	117380												
B121	C4	10	117380												
B121	C5	10	117380												
B122	C	30	112075	Americall International, L.L.C.	\$ 585,037.50			06/08/98	AMNESTY_BID				1,074	3,362,250	
B122	C1	15	112075												
B122	C2	15	112075												
B122	C3	10	112075												
B122	C4	10	112075												
B122	C5	10	112075												
B123	C	30	195408	Wireless PCS, Inc.	\$ 3,149,251.50			07/31/99	NOPAY_INSTALLMENT	07/28/99	03/31/11		5,442	5,862,240	
B123	C1	15	195408												
B123	C2	15	195408												
B123	C3	10	195408												
B123	C4	10	195408												
B123	C5	10	195408												
B124	C	30	142361	CH PCS, Inc.	\$ 5,362,500.00	11/04/96			NOPAY_DOWNPAYMENT				1,074	4,270,830	
B124	C1	15	142361												
B124	C2	15	142361												
B124	C3	10	142361												
B124	C4	10	142361												
B124	C5	10	142361												
B125	C	30	105766	Eldorado Communications, L.L.C.	\$ 846,000.00			06/08/98	AMNESTY_BID				1,074	3,172,980	
B125	C1	15	105766												
B125	C2	15	105766												
B125	C3	10	105766												
B125	C4	10	105766												
B125	C5	10	105766												
B126	C	30	268804	R & S PCS, Inc.	\$ 6,620,250.00			06/08/98	AMNESTY_BID				1,074	8,064,120	
B126	C1	15	268804												
B126	C2	15	268804												
B126	C3	10	268804												
B126	C4	10	268804												
B126	C5	10	268804												
B127	C0	30	313154	Personal Communications Network, Inc.	\$ 4,163,325.00			07/31/99	NOPAY_INSTALLMENT	08/06/99					
B127	C1	15	313154										1,726	4,697,310	
B127	C2	15	313154					06/08/98	DISAGGREGATION_RESUME				1,726	4,697,310	
B127	C3	10	313154												
B127	C4	10	313154												
B127	C5	10	313154												
B128	C	30	748239	NextWave Personal Communications Inc.	\$ 25,747,500.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B128	C1	15	748239												
B128	C2	15	748239												
B128	C3	10	748239				10						3,207	7,482,390	
B128	C4	10	748239								04/08/04		2,894	7,482,390	
B128	C5	10	748239								04/08/04		2,894	7,482,390	
B129	C	30	47830	Kansas Personal Communication Services, LTD	\$ 799,500.75			07/31/99	NOPAY_INSTALLMENT	07/19/99					
B129	C1	15	47830												
B129	C2	15	47830												
B129	C3	10	47830										4,032	478,300	
B129	C4	10	47830										4,032	478,300	
B129	C5	10	47830										4,032	478,300	
B130	C	30	85696	National Telecom Holdings, Inc.	\$ 285,750.00			06/08/98	AMNESTY_BID						
B130	C1	15	85696												
B130	C2	15	85696												
B130	C3	10	85696										1,726	856,960	
B130	C4	10	85696										1,726	856,960	
B130	C5	10	85696										1,726	856,960	

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B131	C	30	280843	R & S PCS, Inc.	\$ 6,870,750.00			06/08/98	AMNESTY_BID				1,074	8,425,290	
B131	C1	15	280843												
B131	C2	15	280843												
B131	C3	10	280843												
B131	C4	10	280843												
B131	C5	10	280843												
B132	C	30	47423	Northern Michigan PCS Consortium L.L.C.	\$ 1,257,750.00			06/08/98	AMNESTY_BID				1,074	1,422,690	
B132	C1	15	47423												
B132	C2	15	47423												
B132	C3	10	47423												
B132	C4	10	47423												
B132	C5	10	47423												
B133	C	30	322959	BDPCS, Inc.	\$ 6,924,000.00	05/30/96			NOPAY_DOWNPAYMENT				1,074	9,688,770	AMNESTY_PREPAYMENT_CREDIT
B133	C1	15	322959												
B133	C2	15	322959												
B133	C3	10	322959												
B133	C4	10	322959												
B133	C5	10	322959												
B134	C0	30	154025	PCS 2000, L.P.	\$ 1,181,325.00										
B134	C1	15	154025												
B134	C2	15	154025					06/08/98	DISAGGREGATION_PREPAY				1,074	2,310,375	
B134	C3	10	154025												
B134	C4	10	154025												
B134	C5	10	154025												
B135	C	30	523510	NextWave Personal Communications Inc.	\$ 6,925,504.50			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B135	C1	15	523510												
B135	C2	15	523510												
B135	C3	10	523510										3,207	5,235,100	
B135	C4	10	523510										4,032	5,235,100	
B135	C5	10	523510										4,032	5,235,100	
B136	C	30	97458	Americall International, L.L.C.	\$ 562,500.00			06/08/98	AMNESTY_BID						
B136	C1	15	97458												
B136	C2	15	97458												
B136	C3	10	97458										1,726	974,580	
B136	C4	10	97458										1,726	974,580	
B136	C5	10	97458										1,726	974,580	
B137	C	30	56598	Quantum Communications Group, Inc.	\$ 526,500.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	1,697,940	
B137	C1	15	56598												
B137	C2	15	56598												
B137	C3	10	56598												
B137	C4	10	56598												
B137	C5	10	56598												
B138	C0	30	316537	North Dakota PCS Limited Partnership	\$ 6,776,475.75			11/28/02	NOPAY_INSTALLMENT						
B138	C1	15	316537										3,207	4,748,055	
B138	C2	15	316537					06/08/98	DISAGGREGATION_RESUME				1,074	4,748,055	
B138	C3	10	316537												
B138	C4	10	316537												
B138	C5	10	316537												
B139	C0	30	208285	PCS Plus, LLC An Arizona Limited Liability Company	\$ 4,221,750.00			10/30/98	NOPAY_INSTALLMENT	10/28/98					
B139	C1	15	208285										1,726	3,124,275	
B139	C2	15	208285					06/08/98	DISAGGREGATION_RESUME				1,074	3,124,275	
B139	C3	10	208285												
B139	C4	10	208285												
B139	C5	10	208285												
B140	C	30	325364	DCR PCS, Inc.	\$ 2,282,250.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	9,760,920	
B140	C1	15	325364												
B140	C2	15	325364												
B140	C3	10	325364												
B140	C4	10	325364												
B140	C5	10	325364												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B141	C	30	663154	Urban Communicators PCS Limited Partnership	\$ 9,845,250.00			10/30/98	NOPAY_INSTALLMENT	10/28/98	11/30/06		3,860	19,894,620	
B141	C1	15	663154												
B141	C2	15	663154												
B141	C3	10	663154												
B141	C4	10	663154												
B141	C5	10	663154												
B142	C0	30	131271	Western Minnesota PCS Limited Partnership	\$ 527,026.50			09/17/01	NOBUILDOUT						
B142	C1	15	131271										3,207	1,969,065	
B142	C2	15	131271					06/08/98	DISAGGREGATION_RESUME				1,074	1,969,065	
B142	C3	10	131271												
B142	C4	10	131271												
B142	C5	10	131271												
B143	C	30	152886	Micom Associates, Ltd.	\$ 1,996,162.50			06/08/98	AMNESTY_BID				1,074	4,586,580	
B143	C1	15	152886												
B143	C2	15	152886												
B143	C3	10	152886												
B143	C4	10	152886												
B143	C5	10	152886												
B144	C	30	116320	CH PCS, Inc.	\$ 3,506,250.00	11/04/96			NOPAY_DOWNPAYMENT				1,074	3,489,600	
B144	C1	15	116320												
B144	C2	15	116320												
B144	C3	10	116320												
B144	C4	10	116320												
B144	C5	10	116320												
B145	C	30	507828	DCR PCS, Inc.	\$ 8,615,250.00			06/08/98	NOTAFFORD_PREPAYMENT	03/31/97			1,074	15,234,840	
B145	C1	15	507828												
B145	C2	15	507828												
B145	C3	10	507828												
B145	C4	10	507828												
B145	C5	10	507828												
B146	C0	30	191015	Chase Telecommunications L.P.	\$ 2,997,148.50			09/16/03	NOPAY_INSTALLMENT						
B146	C1	15	191015										3,207	2,865,225	
B146	C2	15	191015					06/08/98	DISAGGREGATION_RESUME				1,074	2,865,225	
B146	C3	10	191015												
B146	C4	10	191015												
B146	C5	10	191015												
B147	C	30	259343	Carolina PCS I Limited Partnership	\$ 3,294,769.50										
B147	C1	15	259343												
B147	C2	15	259343												
B147	C3	10	259343												
B147	C4	10	259343												
B147	C5	10	259343												
B148	C	30	97296	Wireless PCS, Inc.	\$ 1,776,751.50			07/31/99	NOPAY_INSTALLMENT	07/28/99	03/31/11		5,442	2,918,880	
B148	C1	15	97296												
B148	C2	15	97296												
B148	C3	10	97296												
B148	C4	10	97296												
B148	C5	10	97296												
B149	C	30	251494	BDPCS, Inc.	\$ 7,087,500.00	05/30/96			NOPAY_DOWNPAYMENT						NOPAY_DOWNPAYMENT
B149	C1	15	251494												
B149	C2	15	251494												
B149	C3	10	251494										3,207	2,514,940	
B149	C4	10	251494										3,207	2,514,940	
B149	C5	10	251494										3,207	2,514,940	
B150	C	30	128475	BRK WIRELESS CO., INC.	\$ 519,000.00										
B150	C1	15	128475												
B150	C2	15	128475												
B150	C3	10	128475												
B150	C4	10	128475												
B150	C5	10	128475												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B151	C	30	629301	GWI PCS, Inc.	\$ 20,049,000.00					10/20/97					
B151	C1	15	629301												
B151	C2	15	629301												
B151	C3	10	629301												
B151	C4	10	629301												
B151	C5	10	629301												
B152	C	30	432373	GWI PCS, Inc.	\$ 10,789,500.00					10/20/97					
B152	C1	15	432373												
B152	C2	15	432373												
B152	C3	10	432373												
B152	C4	10	432373												
B152	C5	10	432373												
B153	C	30	326881	DCR PCS, Inc.	\$ 4,660,500.75			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	9,806,430	
B153	C1	15	326881												
B153	C2	15	326881												
B153	C3	10	326881												
B153	C4	10	326881												
B153	C5	10	326881												
B154	C	30	211099	Mobile Tri-States L.P. 130	\$ 5,309,250.00										
B154	C1	15	211099												
B154	C2	15	211099												
B154	C3	10	211099												
B154	C4	10	211099												
B154	C5	10	211099												
B155	C	30	715480	Communications Venture PCS Limited Partnership	\$ 19,629,961.50			06/08/98	AMNESTY_BID				1,074	21,464,400	
B155	C1	15	715480												
B155	C2	15	715480												
B155	C3	10	715480												
B155	C4	10	715480												
B155	C5	10	715480												
B156	C	30	165316	Aer Force Communications, L.P.	\$ 6,122,253.75			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	4,959,480	
B156	C1	15	165316												
B156	C2	15	165316												
B156	C3	10	165316												
B156	C4	10	165316												
B156	C5	10	165316												
B157	C	30	922516	PCS 2000, L.P.	\$ 47,026,575.00			06/08/98	NOTAFFORD_PREPAYMENT				1,074	27,675,480	
B157	C1	15	922516												
B157	C2	15	922516												
B157	C3	10	922516												
B157	C4	10	922516												
B157	C5	10	922516												
B158	C0	30	191899	Mercury PCS, L.L.C.	\$ 1,606,013.25										
B158	C1	15	191899												
B158	C2	15	191899					06/08/98	DISAGGREGATION_RESUME				1,074	2,878,485	
B158	C3	10	191899												
B158	C4	10	191899												
B158	C5	10	191899												
B159	C	30	320199	NextWave Personal Communications Inc.	\$ 7,143,909.75			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B159	C1	15	320199												
B159	C2	15	320199												
B159	C3	10	320199								04/08/04		2,894	3,201,990	
B159	C4	10	320199				10						3,207	3,201,990	
B159	C5	10	320199				10						3,207	3,201,990	
B160	C	30	246560	GWI PCS, Inc.	\$ 4,126,500.00					10/20/97					
B160	C1	15	246560												
B160	C2	15	246560												
B160	C3	10	246560												
B160	C4	10	246560												
B160	C5	10	246560												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B161	C	30	74571	BRK WIRELESS CO., INC.	\$ 467,250.00										
B161	C1	15	74571												
B161	C2	15	74571												
B161	C3	10	74571												
B161	C4	10	74571												
B161	C5	10	74571												
B162	C0	30	144221	PCS Plus, LLC An Arizona Limited Liability Company	\$ 1,817,250.00			10/30/98	NOPAY_INSTALLMENT	10/28/98					
B162	C1	15	144221										1,726	2,163,315	
B162	C2	15	144221					06/08/98	DISAGGREGATION_RESUME				1,074	2,163,315	
B162	C3	10	144221												
B162	C4	10	144221												
B162	C5	10	144221												
B163	C	30	73686	TWS, LLC	\$ 364,500.00			06/08/98	AMNESTY_BID				1,074	2,210,580	
B163	C1	15	73686												
B163	C2	15	73686												
B163	C3	10	73686												
B163	C4	10	73686												
B163	C5	10	73686												
B164	C	30	124345	WIRELESS VENTURES, INC.	\$ 1,650,000.00			10/30/98	NOPAY_INSTALLMENT				1,074	3,730,350	
B164	C1	15	124345												
B164	C2	15	124345												
B164	C3	10	124345												
B164	C4	10	124345												
B164	C5	10	124345												
B165	C	30	241014	Urban Communicators PCS Limited Partnership	\$ 1,819,500.00			10/30/98	NOPAY_INSTALLMENT	10/28/98					
B165	C1	15	241014												
B165	C2	15	241014												
B165	C3	10	241014								11/30/06		3,860	2,410,140	
B165	C4	10	241014								07/13/05		3,355	2,410,140	
B165	C5	10	241014								07/13/05		3,355	2,410,140	
B166	C0	30	203087	North Dakota PCS Limited Partnership	\$ 1,899,083.25			11/28/02	NOPAY_INSTALLMENT						
B166	C1	15	203087												
B166	C2	15	203087					06/08/98	DISAGGREGATION_RESUME				3,207	3,046,305	
B166	C3	10	203087										1,074	3,046,305	
B166	C4	10	203087												
B166	C5	10	203087												
B167	C0	30	149977	21st Century Telesis Joint Venture	\$ 4,447,500.00			01/28/00	NOPAY_INSTALLMENT						
B167	C1	15	149977												
B167	C2	15	149977					06/08/98	DISAGGREGATION_RESUME				1,726	2,249,655	
B167	C3	10	149977										1,074	2,249,655	
B167	C4	10	149977												
B167	C5	10	149977												
B168	C	30	246119	Mountain Solutions, Ltd	\$ 4,879,500.00	04/28/97			NOPAY_DOWNPAYMENT				1,074	7,383,570	
B168	C1	15	246119												
B168	C2	15	246119												
B168	C3	10	246119												
B168	C4	10	246119												
B168	C5	10	246119												
B169	C0	30	1079340	DCR PCS, Inc.	\$ 30,267,750.00					03/31/97					
B169	C1	15	1079340												
B169	C2	15	1079340					06/08/98	DISAGGREGATION_PREPAY				1,074	16,190,100	
B169	C3	10	1079340												
B169	C4	10	1079340												
B169	C5	10	1079340												
B170	C	30	38989	FAMS & ASSOCIATES	\$ 191,250.00			06/08/98	AMNESTY_BID				1,074	1,169,670	
B170	C1	15	38989												
B170	C2	15	38989												
B170	C3	10	38989												
B170	C4	10	38989												
B170	C5	10	38989												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B171	C	30	164305	MCG PCS, Inc.	\$ 639,999.75			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	4,929,150	
B171	C1	15	164305												
B171	C2	15	164305												
B171	C3	10	164305												
B171	C4	10	164305												
B171	C5	10	164305												
B172	C	30	180936	Mountain Solutions, Ltd	\$ 3,840,750.00	04/28/97			NOPAY_DOWNPAYMENT						
B172	C1	15	180936												
B172	C2	15	180936												
B172	C3	10	180936										1,726	1,809,360	
B172	C4	10	180936										1,726	1,809,360	
B172	C5	10	180936										1,726	1,809,360	
B173	C	30	355786	Wireless PCS, Inc.	\$ 8,111,251.50			07/31/99	NOPAY_INSTALLMENT	07/28/99	03/31/11		5,442	10,673,580	
B173	C1	15	355786												
B173	C2	15	355786												
B173	C3	10	355786												
B173	C4	10	355786												
B173	C5	10	355786												
B174	C	30	1454066	NextWave Personal Communications Inc.	\$ 49,679,250.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B174	C1	15	1454066												
B174	C2	15	1454066												
B174	C3	10	1454066										3,207	14,540,660	
B174	C4	10	1454066										3,207	14,540,660	
B174	C5	10	1454066										3,207	14,540,660	
B175	C0	30	209666	MCG PCS, Inc.	\$ 1,064,250.00										
B175	C1	15	209666												
B175	C2	15	209666					06/08/98	DISAGGREGATION_PREPAY				1,074	3,144,990	
B175	C3	10	209666												
B175	C4	10	209666												
B175	C5	10	209666												
B176	C	30	247820	Urban Communicators PCS Limited Partnership	\$ 1,925,250.00			10/30/98	NOPAY_INSTALLMENT	10/28/98					
B176	C1	15	247820												
B176	C2	15	247820												
B176	C3	10	247820								11/30/06		3,860	2,478,200	
B176	C4	10	247820								07/13/05		3,355	2,478,200	
B176	C5	10	247820								07/13/05		3,355	2,478,200	
B177	C	30	914473	Carolina PCS I Limited Partnership	\$ 24,799,500.00										
B177	C1	15	914473												
B177	C2	15	914473												
B177	C3	10	914473												
B177	C4	10	914473												
B177	C5	10	914473												
B178	C	30	76229	Carolina PCS I Limited Partnership	\$ 565,638.75										
B178	C1	15	76229												
B178	C2	15	76229												
B178	C3	10	76229												
B178	C4	10	76229												
B178	C5	10	76229												
B179	C	30	366345	NextWave Personal Communications Inc.	\$ 5,634,750.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B179	C1	15	366345												
B179	C2	15	366345												
B179	C3	10	366345								04/08/04		2,894	3,663,450	
B179	C4	10	366345										3,207	3,663,450	
B179	C5	10	366345										3,207	3,663,450	
B180	C	30	111113	Meretel Communications, LP	\$ 2,466,075.00			06/08/98	AMNESTY_BID				1,074	3,333,390	
B180	C1	15	111113												
B180	C2	15	111113												
B180	C3	10	111113												
B180	C4	10	111113												
B180	C5	10	111113												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B181	C	30	698708	Omnipoint PCS Entrepreneurs, Inc.	\$ 17,457,761.25			06/08/98	AMNESTY_BID				1,074	20,961,240	
B181	C1	15	698708												
B181	C2	15	698708												
B181	C3	10	698708												
B181	C4	10	698708												
B181	C5	10	698708												
B182	C0	30	92314	PCS Plus, LLC An Arizona Limited Liability Company	\$ 394,500.00				BR_ASSIGN_DELAY	10/28/98	06/20/02				
B182	C1	15	92314										2,236	1,384,710	
B182	C2	15	92314					06/08/98	DISAGGREGATION_PREPAY				1,074	1,384,710	
B182	C3	10	92314												
B182	C4	10	92314												
B182	C5	10	92314												
B183	C0	30	152235	Devon Mobile Communications, L.P.	\$ 1,812,453.75										
B183	C1	15	152235												
B183	C2	15	152235					06/08/98	DISAGGREGATION_PREPAY				1,074	2,283,525	
B183	C3	10	152235												
B183	C4	10	152235												
B183	C5	10	152235												
B184	C	30	1148618	Fortunet Wireless Communications, L.P.	\$ 51,321,750.00				06/08/98	AMNESTY_PREPAYMENT_CREDIT			1,074	34,458,540	
B184	C1	15	1148618												
B184	C2	15	1148618												
B184	C3	10	1148618												
B184	C4	10	1148618												
B184	C5	10	1148618												
B185	C	30	73440	USA Micro-Cellular, Inc.	\$ 930,075.75				06/08/98	AMNESTY_BID			1,074	2,203,200	
B185	C1	15	73440												
B185	C2	15	73440												
B185	C3	10	73440												
B185	C4	10	73440												
B185	C5	10	73440												
B186	C	30	182113	Mobile Tri-States L.P. 130	\$ 4,451,250.00										
B186	C1	15	182113												
B186	C2	15	182113												
B186	C3	10	182113												
B186	C4	10	182113												
B186	C5	10	182113												
B187	C	30	60018	Mountain Solutions, Ltd	\$ 492,000.00	04/28/97			NOPAY_DOWNPAYMENT				1,074	1,800,540	
B187	C1	15	60018												
B187	C2	15	60018												
B187	C3	10	60018												
B187	C4	10	60018												
B187	C5	10	60018												
B188	C	30	70150	Mountain Solutions, Ltd	\$ 1,158,000.00	04/28/97			NOPAY_DOWNPAYMENT						
B188	C1	15	70150												
B188	C2	15	70150												
B188	C3	10	70150										1,726	701,500	
B188	C4	10	70150										1,726	701,500	
B188	C5	10	70150										1,726	701,500	
B189	C	30	341851	NextWave Personal Communications Inc.	\$ 3,528,750.00				10/30/98	NOPAY_INSTALLMENT	06/08/98				
B189	C1	15	341851												
B189	C2	15	341851												
B189	C3	10	341851										3,207	3,418,510	
B189	C4	10	341851										3,207	3,418,510	
B189	C5	10	341851										3,207	3,418,510	
B190	C	30	148677	DCR PCS, Inc.	\$ 3,611,262.00				06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97		1,074	4,460,310	
B190	C1	15	148677												
B190	C2	15	148677												
B190	C3	10	148677												
B190	C4	10	148677												
B190	C5	10	148677												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B191	C0	30	55511	Poka Lambro/PVT Wireless Limited Partnership	\$ 445,506.75										
B191	C1	15	55511												
B191	C2	15	55511					06/08/98	DISAGGREGATION_RESUME				1,074	832,665	
B191	C3	10	55511												
B191	C4	10	55511												
B191	C5	10	55511												
B192	C	30	876156	DCR PCS, Inc.	\$ 53,594,250.00										
B192	C1	15	876156					06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	26,284,680	
B192	C2	15	876156												
B192	C3	10	876156												
B192	C4	10	876156												
B192	C5	10	876156												
B193	C0	30	138969	PCS Plus, LLC An Arizona Limited Liability Company	\$ 1,886,250.00										
B193	C1	15	138969												
B193	C2	15	138969												
B193	C3	10	138969												
B193	C4	10	138969												
B193	C5	10	138969												
B194	C	30	47063	Northern Michigan PCS Consortium L.L.C.	\$ 180,375.00										
B194	C1	15	47063												
B194	C2	15	47063												
B194	C3	10	47063												
B194	C4	10	47063												
B194	C5	10	47063												
B195	C0	30	271365	DCR PCS, Inc.	\$ 6,640,500.00										
B195	C1	15	271365												
B195	C2	15	271365												
B195	C3	10	271365												
B195	C4	10	271365												
B195	C5	10	271365												
B196	C	30	5045022	NextWave Personal Communications Inc.	\$ 198,474,750.00										
B196	C1	15	5045022												
B196	C2	15	5045022												
B196	C3	10	5045022												
B196	C4	10	5045022												
B196	C5	10	5045022												
B197	C	30	368924	The Chillicothe Telephone Co.-Communications, Inc.	\$ 4,972,500.00										
B197	C1	15	368924												
B197	C2	15	368924												
B197	C3	10	368924												
B197	C4	10	368924												
B197	C5	10	368924												
B198	C0	30	509873	Mercury PCS, L.L.C.	\$ 13,091,408.25										
B198	C1	15	509873												
B198	C2	15	509873												
B198	C3	10	509873												
B198	C4	10	509873												
B198	C5	10	509873												
B199	C	30	53386	MCG PCS, Inc.	\$ 384,000.00										
B199	C1	15	53386												
B199	C2	15	53386												
B199	C3	10	53386												
B199	C4	10	53386												
B199	C5	10	53386												
B200	C	30	128235	Kansas Personal Communication Services, LTD	\$ 441,000.00										
B200	C1	15	128235												
B200	C2	15	128235												
B200	C3	10	128235												
B200	C4	10	128235												
B200	C5	10	128235												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B201	C	30	246737	Alpine PCS, Inc.	\$ 9,000,000.00			06/08/98	AMNESTY_BID				1,074	7,402,110	
B201	C1	15	246737												
B201	C2	15	246737												
B201	C3	10	246737												
B201	C4	10	246737												
B201	C5	10	246737												
B202	C	30	223017	High Country Communications, L.P.	\$ 4,440,750.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	6,690,510	
B202	C1	15	223017												
B202	C2	15	223017												
B202	C3	10	223017												
B202	C4	10	223017												
B202	C5	10	223017												
B203	C0	30	89605	Devon Mobile Communications, L.P.	\$ 1,076,257.50			11/03/03	NOPAY_INSTALLMENT	08/19/02					
B203	C1	15	89605										3,207	1,344,075	
B203	C2	15	89605					06/08/98	DISAGGREGATION_RESUME				1,726	1,344,075	
B203	C3	10	89605												
B203	C4	10	89605												
B203	C5	10	89605												
B204	C	30	1552963	NextWave Personal Communications Inc.	\$ 72,456,750.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B204	C1	15	1552963												
B204	C2	15	1552963												
B204	C3	10	1552963										3,207	15,529,630	
B204	C4	10	1552963										3,207	15,529,630	
B204	C5	10	1552963										3,207	15,529,630	
B205	C	30	131676	Aer Force Communications, L.P.	\$ 2,564,250.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	3,950,280	
B205	C1	15	131676												
B205	C2	15	131676												
B205	C3	10	131676												
B205	C4	10	131676												
B205	C5	10	131676												
B206	C	30	45698	Northern Michigan PCS Consortium L.L.C.	\$ 318,750.00			06/08/98	AMNESTY_BID				1,074	1,370,940	
B206	C1	15	45698												
B206	C2	15	45698												
B206	C3	10	45698												
B206	C4	10	45698												
B206	C5	10	45698												
B207	C	30	32049	Northern Michigan PCS Consortium L.L.C.	\$ 198,356.25			06/08/98	AMNESTY_BID				1,074	961,470	
B207	C1	15	32049												
B207	C2	15	32049												
B207	C3	10	32049												
B207	C4	10	32049												
B207	C5	10	32049												
B208	C0	30	96501	21st Century Telesis Joint Venture	\$ 2,325,003.75			01/28/00	NOPAY_INSTALLMENT						
B208	C1	15	96501										1,726	1,447,515	
B208	C2	15	96501					06/08/98	DISAGGREGATION_RESUME				1,074	1,447,515	
B208	C3	10	96501												
B208	C4	10	96501												
B208	C5	10	96501												
B209	C0	30	204949	DCR PCS, Inc.	\$ 1,974,000.00					03/31/97					
B209	C1	15	204949												
B209	C2	15	204949												
B209	C3	10	204949					06/08/98	DISAGGREGATION_PREPAY				1,074	3,074,235	
B209	C4	10	204949												
B209	C5	10	204949												
B210	C0	30	677489	21st Century Telesis Joint Venture	\$ 18,126,000.00			01/28/00	NOPAY_INSTALLMENT						
B210	C1	15	677489										1,726	10,162,335	
B210	C2	15	677489					06/08/98	DISAGGREGATION_RESUME				1,074	10,162,335	
B210	C3	10	677489												
B210	C4	10	677489												
B210	C5	10	677489												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B211	C0	30	287020	Chase Telecommunications L.P.	\$ 2,882,442.00										
B211	C1	15	287020												
B211	C2	15	287020					06/08/98	DISAGGREGATION_RESUME				1,074	4,305,300	
B211	C3	10	287020												
B211	C4	10	287020												
B211	C5	10	287020												
B212	C	30	1358825	NextWave Personal Communications Inc.	\$ 38,245,500.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B212	C1	15	1358825												
B212	C2	15	1358825												
B212	C3	10	1358825										3,207	13,588,250	
B212	C4	10	1358825										3,207	13,588,250	
B212	C5	10	1358825										3,207	13,588,250	
B213	C0	30	70609	Quantum Communications Group, Inc.	\$ 300,000.00										
B213	C1	15	70609												
B213	C2	15	70609					06/08/98	DISAGGREGATION_PREPAY				1,074	1,059,135	
B213	C3	10	70609												
B213	C4	10	70609												
B213	C5	10	70609												
B214	C	30	150355	Urban Communicators PCS Limited Partnership	\$ 2,288,250.00			10/30/98	NOPAY_INSTALLMENT	10/28/98	07/13/05		3,355	4,510,650	
B214	C1	15	150355												
B214	C2	15	150355												
B214	C3	10	150355												
B214	C4	10	150355												
B214	C5	10	150355												
B215	C	30	183613	New England Wireless Communications, L.P.	\$ 3,793,500.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT						
B215	C1	15	183613												
B215	C2	15	183613												
B215	C3	10	183613										1,726	1,836,130	
B215	C4	10	183613										1,726	1,836,130	
B215	C5	10	183613										1,726	1,836,130	
B216	C	30	246066	Wireless PCS, Inc.	\$ 4,865,251.50			07/31/99	NOPAY_INSTALLMENT	07/28/99	03/31/11		5,442	7,381,980	
B216	C1	15	246066												
B216	C2	15	246066												
B216	C3	10	246066												
B216	C4	10	246066												
B216	C5	10	246066												
B217	C	30	163616	ROBERTS-ROBERTS & ASSOCIATES, LLC	\$ 2,122,500.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	4,908,480	
B217	C1	15	163616												
B217	C2	15	163616												
B217	C3	10	163616												
B217	C4	10	163616												
B217	C5	10	163616												
B218	C	30	232621	MCG PCS, Inc.	\$ 2,479,999.50			06/08/98	NOTAFFORD_PREPAYMENT						
B218	C1	15	232621												
B218	C2	15	232621												
B218	C3	10	232621										1,726	2,326,210	
B218	C4	10	232621										1,726	2,326,210	
B218	C5	10	232621										1,726	2,326,210	
B219	C	30	181062	DCR PCS, Inc.	\$ 1,853,250.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	5,431,860	
B219	C1	15	181062												
B219	C2	15	181062												
B219	C3	10	181062												
B219	C4	10	181062												
B219	C5	10	181062												
B220	C	30	247343	NextWave Personal Communications Inc.	\$ 2,868,000.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B220	C1	15	247343												
B220	C2	15	247343												
B220	C3	10	247343								04/08/04		2,894	2,473,430	
B220	C4	10	247343					10					3,207	2,473,430	
B220	C5	10	247343					10					4,032	2,473,430	

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B221	C	30	73082	LORALEN CORP.	\$ 622,612.50			06/08/98	AMNESTY_BID						
B221	C1	15	73082												
B221	C2	15	73082												
B221	C3	10	73082										1,726	730,820	
B221	C4	10	73082										1,726	730,820	
B221	C5	10	73082										1,726	730,820	
B222	C	30	128241	CH PCS, Inc.	\$ 7,752,000.00	11/04/96			NOPAY_DOWNPAYMENT				1,074	3,847,230	
B222	C1	15	128241												
B222	C2	15	128241												
B222	C3	10	128241												
B222	C4	10	128241												
B222	C5	10	128241												
B223	C	30	377288	DCR PCS, Inc.	\$ 8,403,000.00			06/08/98	NOTAFFORD_PREPAYMENT	03/31/97			1,074	11,318,640	
B223	C1	15	377288												
B223	C2	15	377288												
B223	C3	10	377288												
B223	C4	10	377288												
B223	C5	10	377288												
B224	C	30	74471	Mountain Solutions, Ltd	\$ 715,500.75	04/28/97			NOPAY_DOWNPAYMENT						
B224	C1	15	74471												
B224	C2	15	74471												
B224	C3	10	74471										1,726	744,710	
B224	C4	10	74471										1,726	744,710	
B224	C5	10	74471										1,726	744,710	
B225	C	30	135167	DCR PCS, Inc.	\$ 912,202.50			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	4,055,010	
B225	C1	15	135167												
B225	C2	15	135167												
B225	C3	10	135167												
B225	C4	10	135167												
B225	C5	10	135167												
B226	C	30	2049447	NextWave Personal Communications Inc.	\$ 59,334,000.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B226	C1	15	2049447												
B226	C2	15	2049447												
B226	C3	10	2049447										3,207	20,494,470	
B226	C4	10	2049447										3,207	20,494,470	
B226	C5	10	2049447										3,207	20,494,470	
B227	C	30	118041	New England Wireless Communications, L.P.	\$ 3,795,000.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT						
B227	C1	15	118041												
B227	C2	15	118041												
B227	C3	10	118041										1,726	1,180,410	
B227	C4	10	118041										1,726	1,180,410	
B227	C5	10	118041										1,726	1,180,410	
B228	C0	30	191822	OnQue Communications, Inc.	\$ 1,437,750.00			06/08/98	DISAGGREGATION_RESUME				1,074	2,877,330	
B228	C1	15	191822												
B228	C2	15	191822												
B228	C3	10	191822												
B228	C4	10	191822												
B228	C5	10	191822												
B229	C0	30	707899	Chase Telecommunications L.P.	\$ 8,524,848.00			09/16/03	NOPAY_INSTALLMENT						
B229	C1	15	707899												
B229	C2	15	707899												
B229	C3	10	707899										3,207	10,618,485	
B229	C4	10	707899										1,074	10,618,485	
B229	C5	10	707899												
B230	C	30	57351	R.F.W. Inc.	\$ 287,250.00			06/08/98	AMNESTY_BID				1,074	1,720,530	
B230	C1	15	57351												
B230	C2	15	57351												
B230	C3	10	57351												
B230	C4	10	57351												
B230	C5	10	57351												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B231	C	30	80646	POLYCELL COMMUNICATIONS, INC.	\$ 459,000.00				BR_ASSIGN_DELAY	07/24/03	12/08/04				
B231	C1	15	80646												
B231	C2	15	80646												
B231	C3	10	80646												
B231	C4	10	80646												
B231	C5	10	80646					10					3,138	806,460	
B232	C0	30	1118107	Chase Telecommunications L.P.	\$ 23,865,315.75										
B232	C1	15	1118107												
B232	C2	15	1118107						06/08/98 DISAGGREGATION_RESUME				1,074	16,771,605	
B232	C3	10	1118107												
B232	C4	10	1118107												
B232	C5	10	1118107												
B233	C0	30	192308	21st Century Telesis Joint Venture	\$ 3,926,846.25										
B233	C1	15	192308												
B233	C2	15	192308						06/08/98 DISAGGREGATION_RESUME				1,074	2,884,620	
B233	C3	10	192308												
B233	C4	10	192308												
B233	C5	10	192308												
B234	C	30	320367	Wireless PCS, Inc.	\$ 6,580,501.50				07/31/99 NOPAY_INSTALLMENT	07/28/99	03/31/11		5,442	9,611,010	
B234	C1	15	320367												
B234	C2	15	320367												
B234	C3	10	320367												
B234	C4	10	320367												
B234	C5	10	320367												
B235	C	30	275303	NextWave Personal Communications Inc.	\$ 9,208,683.00				10/30/98 NOPAY_INSTALLMENT	06/08/98					
B235	C1	15	275303												
B235	C2	15	275303												
B235	C3	10	275303										3,207	2,753,030	
B235	C4	10	275303										3,207	2,753,030	
B235	C5	10	275303										3,207	2,753,030	
B236	C	30	548154	Meretel Communications, LP	\$ 15,265,500.00				06/08/98 AMNESTY_BID				1,074	16,444,620	
B236	C1	15	548154												
B236	C2	15	548154												
B236	C3	10	548154												
B236	C4	10	548154												
B236	C5	10	548154												
B237	C0	30	69791	Enterprise Communications Partnership	\$ 864,750.75										
B237	C1	15	69791												
B237	C2	15	69791						06/08/98 DISAGGREGATION_RESUME				1,074	1,046,865	
B237	C3	10	69791												
B237	C4	10	69791												
B237	C5	10	69791												
B238	C	30	283429	Wireless 2000, Inc.	\$ 5,256,868.50										
B238	C1	15	283429												
B238	C2	15	283429												
B238	C3	10	283429												
B238	C4	10	283429												
B238	C5	10	283429												
B239	C	30	483924	NextWave Personal Communications Inc.	\$ 18,840,787.50				10/30/98 NOPAY_INSTALLMENT	06/08/98				14,517,720	
B239	C1	15	483924												
B239	C2	15	483924												
B239	C3	10	483924								04/08/04		2,894	4,839,240	
B239	C4	10	483924					10					3,207	4,839,240	
B239	C5	10	483924					10					3,207	4,839,240	
B240	C	30	470658	PCS One, Inc.	\$ 13,198,416.00				06/08/98 AMNESTY_BID				1,074	14,119,740	
B240	C1	15	470658												
B240	C2	15	470658												
B240	C3	10	470658												
B240	C4	10	470658												
B240	C5	10	470658												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B241	C	30	509246	Anishnabe Communications Enterprise, Inc.	\$ 16,703,326.50			07/30/99	VOLUNTARY						
B241	C1	15	509246												
B241	C2	15	509246												
B241	C3	10	509246										1,726	5,092,460	
B241	C4	10	509246										1,726	5,092,460	
B241	C5	10	509246										1,726	5,092,460	
B242	C	30	216446	Americall International, L.L.C.	\$ 6,799,582.50			06/08/98	AMNESTY_BID				1,074	6,493,380	
B242	C1	15	216446												
B242	C2	15	216446												
B242	C3	10	216446												
B242	C4	10	216446												
B242	C5	10	216446												
B243	C	30	153098	DCR PCS, Inc.	\$ 1,930,500.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	4,592,940	
B243	C1	15	153098												
B243	C2	15	153098												
B243	C3	10	153098												
B243	C4	10	153098												
B243	C5	10	153098												
B244	C	30	249902	NextWave Personal Communications Inc.	\$ 7,281,000.75			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B244	C1	15	249902												
B244	C2	15	249902												
B244	C3	10	249902										3,207	2,499,020	
B244	C4	10	249902										3,207	2,499,020	
B244	C5	10	249902										3,207	2,499,020	
B245	C0	30	1568418	DCR PCS, Inc.	\$ 57,118,575.75					03/31/97					
B245	C1	15	1568418												
B245	C2	15	1568418					06/08/98	DISAGGREGATION_PREPAY				1,074	23,526,270	
B245	C3	10	1568418												
B245	C4	10	1568418												
B245	C5	10	1568418												
B246	C	30	83107	Mobile Tri-States L.P. 130	\$ 1,134,000.00										
B246	C1	15	83107												
B246	C2	15	83107												
B246	C3	10	83107												
B246	C4	10	83107												
B246	C5	10	83107												
B247	C	30	99962	Mountain Solutions, Ltd	\$ 2,991,000.00	04/28/97			NOPAY_DOWNPAYMENT				1,074	2,998,860	
B247	C1	15	99962												
B247	C2	15	99962												
B247	C3	10	99962												
B247	C4	10	99962												
B247	C5	10	99962												
B248	C	30	180897	Comtel PCS Mainstreet Limited Partnership	\$ 1,806,083.25										
B248	C1	15	180897												
B248	C2	15	180897												
B248	C3	10	180897												
B248	C4	10	180897												
B248	C5	10	180897												
B249	C	30	179619	Omnipoint PCS Entrepreneurs, Inc.	\$ 4,451,261.25			06/08/98	AMNESTY_BID				1,074	5,388,570	
B249	C1	15	179619												
B249	C2	15	179619												
B249	C3	10	179619												
B249	C4	10	179619												
B249	C5	10	179619												
B250	C	30	123481	PCS 2000, L.P.	\$ 537,075.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	3,704,430	
B250	C1	15	123481												
B250	C2	15	123481												
B250	C3	10	123481												
B250	C4	10	123481												
B250	C5	10	123481												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B251	C0	30	221126	Personal Communications Network, Inc.	\$ 4,626,000.00			07/31/99	NOPAY_INSTALLMENT	08/06/99					
B251	C1	15	221126										1,726	3,316,890	
B251	C2	15	221126					06/08/98	DISAGGREGATION_RESUME				1,726	3,316,890	
B251	C3	10	221126												
B251	C4	10	221126												
B251	C5	10	221126												
B252	C	30	927633	NextWave Personal Communications Inc.	\$ 18,046,500.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B252	C1	15	927633												
B252	C2	15	927633												
B252	C3	10	927633										3,207	9,276,330	
B252	C4	10	927633										3,207	9,276,330	
B252	C5	10	927633										3,207	9,276,330	
B253	C	30	62064	GLOBAL INFORMATION TECHNOLOGIES, INC.	\$ 318,750.00			06/08/98	AMNESTY_BID				1,074	1,861,920	
B253	C1	15	62064												
B253	C2	15	62064												
B253	C3	10	62064												
B253	C4	10	62064												
B253	C5	10	62064												
B254	C	30	58463	New Wave PCS, Inc.	\$ 2,512,500.00			06/08/98	AMNESTY_BID				1,074	1,753,890	
B254	C1	15	58463												
B254	C2	15	58463												
B254	C3	10	58463												
B254	C4	10	58463												
B254	C5	10	58463												
B255	C	30	251414	DCR PCS, Inc.	\$ 3,426,000.00			06/08/98	NOTAFFORD_PREPAYMENT	03/31/97			1,074	7,542,420	
B255	C1	15	251414												
B255	C2	15	251414												
B255	C3	10	251414												
B255	C4	10	251414												
B255	C5	10	251414												
B256	C0	30	346818	21st Century Telesis Joint Venture	\$ 7,657,871.25			01/28/00	NOPAY_INSTALLMENT						
B256	C1	15	346818										1,726	5,202,270	
B256	C2	15	346818					06/08/98	DISAGGREGATION_RESUME				1,074	5,202,270	
B256	C3	10	346818												
B256	C4	10	346818												
B256	C5	10	346818												
B257	C	30	963155	DCR PCS, Inc.	\$ 22,610,250.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	28,894,650	
B257	C1	15	963155												
B257	C2	15	963155												
B257	C3	10	963155												
B257	C4	10	963155												
B257	C5	10	963155												
B258	C	30	102720	PCS 2000, L.P.	\$ 276,825.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	3,081,600	
B258	C1	15	102720												
B258	C2	15	102720												
B258	C3	10	102720												
B258	C4	10	102720												
B258	C5	10	102720												
B259	C	30	37710	Devon Mobile Communications, L.P.	\$ 639,000.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT						
B259	C1	15	37710												
B259	C2	15	37710												
B259	C3	10	37710										1,726	377,100	
B259	C4	10	37710										1,726	377,100	
B259	C5	10	37710										1,726	377,100	
B260	C	30	314446	DCR PCS, Inc.	\$ 4,059,000.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	9,433,380	
B260	C1	15	314446												
B260	C2	15	314446												
B260	C3	10	314446												
B260	C4	10	314446												
B260	C5	10	314446												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B261	C	30	96772	BDPCS, Inc.	\$ 2,928,000.00	05/30/96			NOPAY_DOWNPAYMENT						NOPAY_INSTALLMENT
B261	C1	15	96772												
B261	C2	15	96772												
B261	C3	10	96772										3,207	967,720	
B261	C4	10	96772										3,207	967,720	
B261	C5	10	96772										3,207	967,720	
B262	C	30	16391590	NextWave Personal Communications Inc.	\$ 663,547,500.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B262	C1	15	16391590												
B262	C2	15	16391590												
B262	C3	10	16391590								04/08/04		2,894	163,915,900	
B262	C4	10	16391590								04/13/05		3,264	163,915,900	
B262	C5	10	16391590				10						3,207	163,915,900	
B263	C	30	1486048	NextWave Personal Communications Inc.	\$ 55,351,500.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B263	C1	15	1486048												
B263	C2	15	1486048												
B263	C3	10	1486048										3,207	14,860,480	
B263	C4	10	1486048										3,207	14,860,480	
B263	C5	10	1486048										3,207	14,860,480	
B264	C0	30	409227	Poka Lambro PCS, Inc.	\$ 4,385,333.25										
B264	C1	15	409227												
B264	C2	15	409227					06/08/98	DISAGGREGATION_RESUME				1,074	6,138,405	
B264	C3	10	409227												
B264	C4	10	409227												
B264	C5	10	409227												
B265	C	30	162058	Meretel Communications, LP	\$ 2,840,250.00			06/08/98	AMNESTY_BID						
B265	C1	15	162058												
B265	C2	15	162058												
B265	C3	10	162058										1,726	1,620,580	
B265	C4	10	162058										1,726	1,620,580	
B265	C5	10	162058										1,726	1,620,580	
B266	C	30	161946	Southeast Wireless Communications, L.P.	\$ 6,144,000.75			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	4,858,380	
B266	C1	15	161946												
B266	C2	15	161946												
B266	C3	10	161946												
B266	C4	10	161946												
B266	C5	10	161946												
B267	C	30	54645	OnQue Communications, Inc.	\$ 774,000.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	1,639,350	
B267	C1	15	54645												
B267	C2	15	54645												
B267	C3	10	54645												
B267	C4	10	54645												
B267	C5	10	54645												
B268	C	30	623060	NextWave Personal Communications Inc.	\$ 17,838,342.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B268	C1	15	623060												
B268	C2	15	623060												
B268	C3	10	623060										3,207	6,230,600	
B268	C4	10	623060										3,207	6,230,600	
B268	C5	10	623060										3,207	6,230,600	
B269	C	30	114119	Reserve Telephone Company, Inc.	\$ 2,424,000.00			06/08/98	AMNESTY_BID				1,074	3,423,570	
B269	C1	15	114119												
B269	C2	15	114119												
B269	C3	10	114119												
B269	C4	10	114119												
B269	C5	10	114119												
B270	C0	30	33749	21st Century Telesis Joint Venture	\$ 671,962.50			01/28/00	NOPAY_INSTALLMENT						
B270	C1	15	33749										1,726	506,235	
B270	C2	15	33749					06/08/98	DISAGGREGATION_RESUME				1,074	506,235	
B270	C3	10	33749												
B270	C4	10	33749												
B270	C5	10	33749												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B271	C	30	662942	Georgia Independent PCS Corporation	\$ 11,700,075.75			06/08/98	AMNESTY_BID				1,074	19,888,260	
B271	C1	15	662942												
B271	C2	15	662942												
B271	C3	10	662942												
B271	C4	10	662942												
B271	C5	10	662942												
B272	C	30	682098	Wireless PCS, Inc.	\$ 17,256,001.50			07/31/99	NOPAY_INSTALLMENT	07/28/99	03/31/11		5,442	20,462,940	
B272	C1	15	682098												
B272	C2	15	682098												
B272	C3	10	682098												
B272	C4	10	682098												
B272	C5	10	682098												
B273	C	30	46519	SouthEast Telephone Limited Partnership, Ltd.	\$ 692,250.00			10/30/98	NOPAY_INSTALLMENT				1,074	1,395,570	
B273	C1	15	46519												
B273	C2	15	46519												
B273	C3	10	46519												
B273	C4	10	46519												
B273	C5	10	46519												
B274	C	30	617057	NextWave Personal Communications Inc.	\$ 19,102,500.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B274	C1	15	617057												
B274	C2	15	617057												
B274	C3	10	617057								04/08/04		2,894	6,170,570	
B274	C4	10	617057				10						3,207	6,170,570	
B274	C5	10	617057				10						3,207	6,170,570	
B275	C	30	117821	Mountain Solutions, Ltd	\$ 2,910,000.00	04/28/97			NOPAY_DOWNPAYMENT				1,074	3,534,630	
B275	C1	15	117821												
B275	C2	15	117821												
B275	C3	10	117821												
B275	C4	10	117821												
B275	C5	10	117821												
B276	C	30	82887	Wireless PCS, Inc.	\$ 1,584,001.50			07/31/99	NOPAY_INSTALLMENT	07/28/99	03/31/11		5,442	2,486,610	
B276	C1	15	82887												
B276	C2	15	82887												
B276	C3	10	82887												
B276	C4	10	82887												
B276	C5	10	82887												
B277	C	30	250632	Fortunet Wireless Communications, L.P.	\$ 4,216,500.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	7,518,960	
B277	C1	15	250632												
B277	C2	15	250632												
B277	C3	10	250632												
B277	C4	10	250632												
B277	C5	10	250632												
B278	C	30	228341	R & S PCS, Inc.	\$ 5,541,000.00			06/08/98	AMNESTY_BID				1,074	6,850,230	
B278	C1	15	228341												
B278	C2	15	228341												
B278	C3	10	228341												
B278	C4	10	228341												
B278	C5	10	228341												
B279	C	30	68710	Fortunet Wireless Communications, L.P.	\$ 1,604,250.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	2,061,300	
B279	C1	15	68710												
B279	C2	15	68710												
B279	C3	10	68710												
B279	C4	10	68710												
B279	C5	10	68710												
B280	C0	30	108363	21st Century Telesis Joint Venture	\$ 2,374,496.25										
B280	C1	15	108363												
B280	C2	15	108363					06/08/98	DISAGGREGATION_RESUME				1,074	1,625,445	
B280	C3	10	108363												
B280	C4	10	108363												
B280	C5	10	108363												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B281	C	30	97845	Micom Associates, Ltd.	\$ 1,211,250.00			06/08/98	AMNESTY_BID						
B281	C1	15	97845												
B281	C2	15	97845												
B281	C3	10	97845										1,726	978,450	
B281	C4	10	97845										1,726	978,450	
B281	C5	10	97845										1,726	978,450	
B282	C	30	74496	Northern Michigan PCS Consortium L.L.C.	\$ 1,252,500.00			06/08/98	AMNESTY_BID				1,074	2,234,880	
B282	C1	15	74496												
B282	C2	15	74496												
B282	C3	10	74496												
B282	C4	10	74496												
B282	C5	10	74496												
B283	C	30	57414	BRK WIRELESS CO., INC.	\$ 372,750.00										
B283	C1	15	57414												
B283	C2	15	57414												
B283	C3	10	57414												
B283	C4	10	57414												
B283	C5	10	57414												
B284	C0	30	92753	Devon Mobile Communications, L.P.	\$ 1,434,000.00			10/31/03	NOPAY_INSTALLMENT	08/19/02					
B284	C1	15	92753										3,207	1,391,295	
B284	C2	15	92753					06/08/98	DISAGGREGATION_RESUME				1,074	1,391,295	
B284	C3	10	92753												
B284	C4	10	92753												
B284	C5	10	92753												
B285	C	30	116657	BRK WIRELESS CO., INC.	\$ 551,250.00										
B285	C1	15	116657												
B285	C2	15	116657												
B285	C3	10	116657												
B285	C4	10	116657												
B285	C5	10	116657												
B286	C	30	64449	Quantum Communications Group, Inc.	\$ 434,325.00			06/08/98	NOTAFFORD_PREPAYMENT				1,074	1,933,470	
B286	C1	15	64449												
B286	C2	15	64449												
B286	C3	10	64449												
B286	C4	10	64449												
B286	C5	10	64449												
B287	C0	30	90366	Devon Mobile Communications, L.P.	\$ 1,343,253.75			10/31/03	NOPAY_INSTALLMENT	08/19/02					
B287	C1	15	90366										3,207	1,355,490	
B287	C2	15	90366					06/08/98	DISAGGREGATION_RESUME				1,726	1,355,490	
B287	C3	10	90366												
B287	C4	10	90366												
B287	C5	10	90366												
B288	C	30	256995	Americall International, L.L.C.	\$ 4,284,750.00			06/08/98	AMNESTY_BID				1,074	7,709,850	
B288	C1	15	256995												
B288	C2	15	256995												
B288	C3	10	256995												
B288	C4	10	256995												
B288	C5	10	256995												
B289	C	30	476230	NextWave Personal Communications Inc.	\$ 14,041,500.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B289	C1	15	476230												
B289	C2	15	476230												
B289	C3	10	476230										4,032	4,762,300	
B289	C4	10	476230										3,207	4,762,300	
B289	C5	10	476230										3,207	4,762,300	
B290	C0	30	1553276	Chase Telecommunications L.P.	\$ 52,327,500.00										
B290	C1	15	1553276												
B290	C2	15	1553276					06/08/98	DISAGGREGATION_RESUME				1,074	23,299,140	
B290	C3	10	1553276												
B290	C4	10	1553276												
B290	C5	10	1553276												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B291	C0	30	227684	PCS 2000, L.P.	\$ 3,532,575.00										
B291	C1	15	227684												
B291	C2	15	227684					06/08/98	DISAGGREGATION_PREPAY				1,074	3,415,260	
B291	C3	10	227684												
B291	C4	10	227684												
B291	C5	10	227684												
B292	C0	30	209027	Mobile Tri-States L.P. 130	\$ 6,744,750.00										
B292	C1	15	209027												
B292	C2	15	209027					06/08/98	DISAGGREGATION_RESUME				1,074	3,135,405	
B292	C3	10	209027												
B292	C4	10	209027												
B292	C5	10	209027												
B293	C	30	3955969	GWI PCS, Inc.	\$ 199,990,500.00					10/20/97					
B293	C1	15	3955969												
B293	C2	15	3955969												
B293	C3	10	3955969												
B293	C4	10	3955969												
B293	C5	10	3955969												
B294	C	30	110106	DCR PCS, Inc.	\$ 886,500.00										
B294	C1	15	110106					06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	3,303,180	
B294	C2	15	110106												
B294	C3	10	110106												
B294	C4	10	110106												
B294	C5	10	110106												
B295	C0	30	118401	Chase Telecommunications L.P.	\$ 1,681,514.25										
B295	C1	15	118401					09/16/03	NOPAY_INSTALLMENT						
B295	C2	15	118401					06/08/98	DISAGGREGATION_RESUME				3,207	1,776,015	
B295	C3	10	118401										1,726	1,776,015	
B295	C4	10	118401												
B295	C5	10	118401												
B296	C0	30	120755	Poka Lambro PCS, Inc.	\$ 2,328,084.00										
B296	C1	15	120755												
B296	C2	15	120755					06/08/98	DISAGGREGATION_RESUME				1,074	1,811,325	
B296	C3	10	120755												
B296	C4	10	120755												
B296	C5	10	120755												
B297	C	30	1849490	Indus, Inc.	\$ 60,001,502.25										
B297	C1	15	1849490												
B297	C2	15	1849490												
B297	C3	10	1849490												
B297	C4	10	1849490												
B297	C5	10	1849490												
B298	C	30	3293598	BDPCS, Inc.	\$ 128,743,500.00	05/30/96									
B298	C1	15	3293598												
B298	C2	15	3293598												
B298	C3	10	3293598										3,207	32,935,980	
B298	C4	10	3293598										3,207	32,935,980	
B298	C5	10	3293598										3,207	32,935,980	
B299	C	30	118459	MCG PCS, Inc.	\$ 251,666.25										
B299	C1	15	118459					06/08/98	AMNESTY_PREPAYMENT_CREDIT						
B299	C2	15	118459												
B299	C3	10	118459										1,726	1,184,590	
B299	C4	10	118459										1,726	1,184,590	
B299	C5	10	118459										1,726	1,184,590	
B300	C	30	175320	USA Micro-Cellular, Inc.	\$ 789,000.00										
B300	C1	15	175320					06/08/98	AMNESTY_BID				1,074	5,259,600	
B300	C2	15	175320												
B300	C3	10	175320												
B300	C4	10	175320												
B300	C5	10	175320												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B301	C	30	84187	MCG PCS, Inc.	\$ 399,000.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	2,525,610	
B301	C1	15	84187												
B301	C2	15	84187												
B301	C3	10	84187												
B301	C4	10	84187												
B301	C5	10	84187												
B302	C	30	663075	Mobile Tri-States L.P. 130	\$ 27,117,750.00										
B302	C1	15	663075												
B302	C2	15	663075												
B302	C3	10	663075												
B302	C4	10	663075												
B302	C5	10	663075												
B303	C0	30	501498	PCS 2000, L.P.	\$ 12,320,325.00										
B303	C1	15	501498												
B303	C2	15	501498					06/08/98	DISAGGREGATION_PREPAY				1,074	7,522,470	
B303	C3	10	501498												
B303	C4	10	501498												
B303	C5	10	501498												
B304	C0	30	331088	Wireless 2000, Inc.	\$ 6,591,750.00										
B304	C1	15	331088												
B304	C2	15	331088					06/08/98	DISAGGREGATION_RESUME				1,074	4,966,320	
B304	C3	10	331088												
B304	C4	10	331088												
B304	C5	10	331088												
B305	C0	30	484647	Central Alabama Partnership L.P. 132	\$ 13,493,250.00										
B305	C1	15	484647												
B305	C2	15	484647					06/08/98	DISAGGREGATION_RESUME				1,074	7,269,705	
B305	C3	10	484647												
B305	C4	10	484647												
B305	C5	10	484647												
B306	C0	30	111200	MCG PCS, Inc.	\$ 579,000.00										
B306	C1	15	111200												
B306	C2	15	111200					06/08/98	DISAGGREGATION_PREPAY				1,074	1,668,000	
B306	C3	10	111200												
B306	C4	10	111200												
B306	C5	10	111200												
B307	C	30	136888	Anishnabe Communications Enterprise, Inc.	\$ 918,750.00			07/30/99	VOLUNTARY						
B307	C1	15	136888												
B307	C2	15	136888												
B307	C3	10	136888										1,726	1,368,880	
B307	C4	10	136888										1,726	1,368,880	
B307	C5	10	136888										1,726	1,368,880	
B308	C	30	122656	DCR PCS, Inc.	\$ 1,353,000.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	3,679,680	
B308	C1	15	122656												
B308	C2	15	122656												
B308	C3	10	122656												
B308	C4	10	122656												
B308	C5	10	122656												
B309	C	30	182024	Communications Venture PCS Limited Partnership	\$ 2,396,461.50			06/08/98	AMNESTY_BID				1,074	5,460,720	
B309	C1	15	182024												
B309	C2	15	182024												
B309	C3	10	182024												
B309	C4	10	182024												
B309	C5	10	182024												
B310	C0	30	225347	DCR PCS, Inc.	\$ 2,658,750.00					03/31/97					
B310	C1	15	225347												
B310	C2	15	225347					06/08/98	DISAGGREGATION_PREPAY				1,074	3,380,205	
B310	C3	10	225347												
B310	C4	10	225347												
B310	C5	10	225347												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B311	C0	30	164258	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 5,904,750.75										
B311	C1	15	164258												
B311	C2	15	164258					06/08/98	DISAGGREGATION_RESUME				1,074	2,463,870	
B311	C3	10	164258												
B311	C4	10	164258												
B311	C5	10	164258												
B312	C	30	196629	Carolina PCS I Limited Partnership	\$ 5,528,272.50										
B312	C1	15	196629												
B312	C2	15	196629												
B312	C3	10	196629												
B312	C4	10	196629												
B312	C5	10	196629												
B313	C	30	251377	GWI PCS, Inc.	\$ 7,443,000.00					10/20/97					
B313	C1	15	251377												
B313	C2	15	251377												
B313	C3	10	251377												
B313	C4	10	251377												
B313	C5	10	251377												
B314	C0	30	1761799	Chase Telecommunications L.P.	\$ 60,122,953.50										
B314	C1	15	1761799												
B314	C2	15	1761799					06/08/98	DISAGGREGATION_RESUME				1,074	26,426,985	
B314	C3	10	1761799												
B314	C4	10	1761799												
B314	C5	10	1761799												
B315	C	30	72775	Reserve Telephone Company, Inc.	\$ 741,000.00				06/08/98	AMNESTY_BID			1,074	2,183,250	
B315	C1	15	72775												
B315	C2	15	72775												
B315	C3	10	72775												
B315	C4	10	72775												
B315	C5	10	72775												
B316	C	30	174134	Urban Communicators PCS Limited Partnership	\$ 2,182,500.00				10/30/98	NOPAY_INSTALLMENT	10/28/98				
B316	C1	15	174134												
B316	C2	15	174134												
B316	C3	10	174134								11/30/06		3,860	1,741,340	
B316	C4	10	174134								07/13/05		3,355	1,741,340	
B316	C5	10	174134								07/13/05		3,355	1,741,340	
B317	C0	30	94643	Devon Mobile Communications, L.P.	\$ 2,187,000.00				10/31/03	NOPAY_INSTALLMENT	08/19/02				
B317	C1	15	94643												
B317	C2	15	94643						06/08/98	DISAGGREGATION_RESUME			3,207	1,419,645	
B317	C3	10	94643										1,726	1,419,645	
B317	C4	10	94643												
B317	C5	10	94643												
B318	C	30	1006201	NextWave Personal Communications Inc.	\$ 41,887,500.00				10/30/98	NOPAY_INSTALLMENT	06/08/98				
B318	C1	15	1006201												
B318	C2	15	1006201												
B318	C3	10	1006201										3,207	10,062,010	
B318	C4	10	1006201										3,207	10,062,010	
B318	C5	10	1006201										3,207	10,062,010	
B319	C	30	368179	NextWave Personal Communications Inc.	\$ 11,273,250.00				10/30/98	NOPAY_INSTALLMENT	06/08/98				
B319	C1	15	368179												
B319	C2	15	368179												
B319	C3	10	368179										3,207	3,681,790	
B319	C4	10	368179										3,207	3,681,790	
B319	C5	10	368179										3,207	3,681,790	
B320	C0	30	1430273	DCR PCS, Inc.	\$ 52,815,000.00					03/31/97					
B320	C1	15	1430273												
B320	C2	15	1430273						06/08/98	DISAGGREGATION_PREPAY			1,074	21,454,095	
B320	C3	10	1430273												
B320	C4	10	1430273												
B320	C5	10	1430273												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B321	C	30	19620902	NextWave Personal Communications Inc.	\$ 994,134,750.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B321	C1	15	19620902												
B321	C2	15	19620902												
B321	C3	10	19620902								10/29/04		3,098	196,209,020	
B321	C4	10	19620902								04/13/05		3,264	196,209,020	
B321	C5	10	19620902								04/13/05		3,264	196,209,020	
B322	C	30	38381	CH PCS, Inc.	\$ 1,240,500.00	11/04/96			NOPAY_DOWNPAYMENT				1,074	1,151,430	
B322	C1	15	38381												
B322	C2	15	38381												
B322	C3	10	38381												
B322	C4	10	38381												
B322	C5	10	38381												
B323	C	30	112342	USA Micro-Cellular, Inc.	\$ 814,500.00			06/08/98	AMNESTY_BID				1,074	3,370,260	
B323	C1	15	112342												
B323	C2	15	112342												
B323	C3	10	112342												
B323	C4	10	112342												
B323	C5	10	112342												
B324	C	30	1784356	NextWave Personal Communications Inc.	\$ 65,676,750.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B324	C1	15	1784356												
B324	C2	15	1784356												
B324	C3	10	1784356										3,207	17,843,560	
B324	C4	10	1784356										3,207	17,843,560	
B324	C5	10	1784356										3,207	17,843,560	
B325	C0	30	86263	21st Century Telesis Joint Venture	\$ 1,549,346.25			01/28/00	NOPAY_INSTALLMENT						
B325	C1	15	86263										1,726	1,293,945	
B325	C2	15	86263					06/08/98	DISAGGREGATION_RESUME				1,074	1,293,945	
B325	C3	10	86263												
B325	C4	10	86263												
B325	C5	10	86263												
B326	C0	30	258916	Aer Force Communications, L.P.	\$ 5,764,500.00										
B326	C1	15	258916												
B326	C2	15	258916					06/08/98	DISAGGREGATION_PREPAY				1,074	3,883,740	
B326	C3	10	258916												
B326	C4	10	258916												
B326	C5	10	258916												
B327	C0	30	209080	Poka Lambro PCS, Inc.	\$ 3,658,505.25										
B327	C1	15	209080												
B327	C2	15	209080					06/08/98	DISAGGREGATION_RESUME				1,074	3,136,200	
B327	C3	10	209080												
B327	C4	10	209080												
B327	C5	10	209080												
B328	C0	30	104276	Devon Mobile Communications, L.P.	\$ 1,424,257.50			10/31/03	NOPAY_INSTALLMENT	08/19/02					
B328	C1	15	104276										3,207	1,564,140	
B328	C2	15	104276					06/08/98	DISAGGREGATION_RESUME				1,726	1,564,140	
B328	C3	10	104276												
B328	C4	10	104276												
B328	C5	10	104276												
B329	C	30	1434827	NextWave Personal Communications Inc.	\$ 31,433,250.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B329	C1	15	1434827												
B329	C2	15	1434827												
B329	C3	10	1434827										3,207	14,348,270	
B329	C4	10	1434827										3,207	14,348,270	
B329	C5	10	1434827										3,207	14,348,270	
B330	C	30	238984	New England Wireless Communications, L.P.	\$ 4,697,250.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT						
B330	C1	15	238984												
B330	C2	15	238984												
B330	C3	10	238984										1,726	2,389,840	
B330	C4	10	238984										1,726	2,389,840	
B330	C5	10	238984										1,726	2,389,840	

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B331	C	30	325360	BDPCS, Inc.	\$ 16,524,000.00	05/30/96			NOPAY_DOWNPAYMENT						NOPAY_INSTALLMENT
B331	C1	15	325360												
B331	C2	15	325360												
B331	C3	10	325360										3,207	3,253,600	
B331	C4	10	325360										3,207	3,253,600	
B331	C5	10	325360										3,207	3,253,600	
B332	C0	30	991763	DCR PCS, Inc.	\$ 25,310,475.00					03/31/97					
B332	C1	15	991763												
B332	C2	15	991763					06/08/98	DISAGGREGATION_PREPAY				1,074	14,876,445	
B332	C3	10	991763												
B332	C4	10	991763												
B332	C5	10	991763												
B333	C0	30	109731	21st Century Telesis Joint Venture	\$ 1,954,539.75				01/28/00	NOPAY_INSTALLMENT					
B333	C1	15	109731										1,726	1,645,965	
B333	C2	15	109731					06/08/98	DISAGGREGATION_RESUME				1,726	1,645,965	
B333	C3	10	109731												
B333	C4	10	109731												
B333	C5	10	109731												
B334	C0	30	151675	Enterprise Communications Partnership	\$ 891,749.25										
B334	C1	15	151675												
B334	C2	15	151675					06/08/98	DISAGGREGATION_RESUME				1,074	2,275,125	
B334	C3	10	151675												
B334	C4	10	151675												
B334	C5	10	151675												
B335	C	30	123425	Carolina PCS I Limited Partnership	\$ 1,144,293.75										
B335	C1	15	123425												
B335	C2	15	123425												
B335	C3	10	123425												
B335	C4	10	123425												
B335	C5	10	123425												
B336	C	30	1697906	NextWave Personal Communications Inc.	\$ 69,888,750.00				10/30/98	NOPAY_INSTALLMENT	06/08/98				
B336	C1	15	1697906												
B336	C2	15	1697906												
B336	C3	10	1697906										3,207	16,979,060	
B336	C4	10	1697906										3,207	16,979,060	
B336	C5	10	1697906										3,207	16,979,060	
B337	C	30	124054	BRK WIRELESS CO., INC.	\$ 372,753.75										
B337	C1	15	124054												
B337	C2	15	124054												
B337	C3	10	124054												
B337	C4	10	124054												
B337	C5	10	124054												
B338	C	30	164630	SouthEast Telephone Limited Partnership, Ltd.	\$ 2,468,250.00				10/30/98	NOPAY_INSTALLMENT			1,074	4,938,900	
B338	C1	15	164630												
B338	C2	15	164630												
B338	C3	10	164630												
B338	C4	10	164630												
B338	C5	10	164630												
B339	C	30	232585	SouthEast Telephone Limited Partnership, Ltd.	\$ 2,417,250.00				10/30/98	NOPAY_INSTALLMENT					
B339	C1	15	232585												
B339	C2	15	232585												
B339	C3	10	232585										1,726	2,325,850	
B339	C4	10	232585										1,726	2,325,850	
B339	C5	10	232585										1,726	2,325,850	
B340	C0	30	201086	Southeast Wireless Communications, L.P.	\$ 4,110,000.00										
B340	C1	15	201086												
B340	C2	15	201086					06/08/98	DISAGGREGATION_PREPAY				1,074	3,016,290	
B340	C3	10	201086												
B340	C4	10	201086												
B340	C5	10	201086												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B341	C	30	95149	OnQue Communications, Inc.	\$ 2,292,750.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT						
B341	C1	15	95149												
B341	C2	15	95149												
B341	C3	10	95149										1,726	951,490	
B341	C4	10	95149										1,726	951,490	
B341	C5	10	95149										1,726	951,490	
B342	C	30	182549	The Chillicothe Telephone Co.-Communications, Inc.	\$ 1,896,000.00			06/08/98	NOTAFFORD_PREPAYMENT				1,074	5,476,470	
B342	C1	15	182549												
B342	C2	15	182549												
B342	C3	10	182549												
B342	C4	10	182549												
B342	C5	10	182549												
B343	C	30	412153	Mobile Tri-States L.P. 130	\$ 14,859,776.25										
B343	C1	15	412153												
B343	C2	15	412153												
B343	C3	10	412153												
B343	C4	10	412153												
B343	C5	10	412153												
B344	C	30	461289	R & S PCS, Inc.	\$ 13,511,250.00			06/08/98	AMNESTY_BID				1,074	13,838,670	
B344	C1	15	461289												
B344	C2	15	461289												
B344	C3	10	461289												
B344	C4	10	461289												
B344	C5	10	461289												
B345	C0	30	107276	NOVERR PUBLISHING INC.	\$ 528,000.00										
B345	C1	15	107276												
B345	C2	15	107276					06/08/98	DISAGGREGATION_RESUME				1,074	1,609,140	
B345	C3	10	107276												
B345	C4	10	107276												
B345	C5	10	107276												
B346	C0	30	6184346	Omnipoint PCS Entrepreneurs, Inc.	\$ 320,238,761.25										
B346	C1	15	6184346												
B346	C2	15	6184346					06/08/98	DISAGGREGATION_RESUME				1,074	92,765,190	
B346	C3	10	6184346												
B346	C4	10	6184346												
B346	C5	10	6184346												
B347	C	30	3462432	BDPCS, Inc.	\$ 177,768,000.00	05/30/96			NOPAY_DOWNPAYMENT				1,074	103,872,960	NOPAY_DOWNPAYMENT
B347	C1	15	3462432												
B347	C2	15	3462432												
B347	C3	10	3462432												
B347	C4	10	3462432												
B347	C5	10	3462432												
B348	C	30	154005	Omnipoint PCS Entrepreneurs, Inc.	\$ 1,530,750.00			06/08/98	AMNESTY_BID				1,074	4,620,150	
B348	C1	15	154005												
B348	C2	15	154005												
B348	C3	10	154005												
B348	C4	10	154005												
B348	C5	10	154005												
B349	C	30	92459	DCR PCS, Inc.	\$ 130,500.00			10/24/02	NOBUILDOUT	03/31/97					
B349	C1	15	92459												
B349	C2	15	92459												
B349	C3	10	92459										4,032	924,590	
B349	C4	10	92459										4,032	924,590	
B349	C5	10	92459										4,032	924,590	
B350	C	30	2471759	NextWave Personal Communications Inc.	\$ 65,377,500.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B350	C1	15	2471759												
B350	C2	15	2471759												
B350	C3	10	2471759										3,207	24,717,590	
B350	C4	10	2471759										3,207	24,717,590	
B350	C5	10	2471759										3,207	24,717,590	

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B351	C	30	134953	Omnipoint PCS Entrepreneurs, Inc.	\$ 3,002,261.25			06/08/98	AMNESTY_BID				1,074	4,048,590	
B351	C1	15	134953												
B351	C2	15	134953												
B351	C3	10	134953												
B351	C4	10	134953												
B351	C5	10	134953												
B352	C	30	118745	WIRELESS VENTURES, INC.	\$ 1,282,500.00			10/30/98	NOPAY_INSTALLMENT						
B352	C1	15	118745												
B352	C2	15	118745												
B352	C3	10	118745										1,726	1,187,450	
B352	C4	10	118745										1,726	1,187,450	
B352	C5	10	118745										1,726	1,187,450	
B353	C	30	100943	High Country Communications, L.P.	\$ 1,020,000.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	3,028,290	
B353	C1	15	100943												
B353	C2	15	100943												
B353	C3	10	100943												
B353	C4	10	100943												
B353	C5	10	100943												
B354	C	30	48080	Mark M. Guest	\$ 312,000.00										
B354	C1	15	48080												
B354	C2	15	48080												
B354	C3	10	48080												
B354	C4	10	48080												
B354	C5	10	48080												
B355	C	30	154045	DCR PCS, Inc.	\$ 1,381,500.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	4,621,350	
B355	C1	15	154045												
B355	C2	15	154045												
B355	C3	10	154045												
B355	C4	10	154045												
B355	C5	10	154045												
B356	C0	30	90478	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 597,150.00										
B356	C1	15	90478												
B356	C2	15	90478					06/08/98	DISAGGREGATION_RESUME				1,726	1,357,170	
B356	C3	10	90478												
B356	C4	10	90478												
B356	C5	10	90478												
B357	C	30	521184	NextWave Personal Communications Inc.	\$ 13,524,000.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B357	C1	15	521184												
B357	C2	15	521184												
B357	C3	10	521184							04/08/04			2,894	5,211,840	
B357	C4	10	521184				10						3,207	5,211,840	
B357	C5	10	521184				10						3,207	5,211,840	
B358	C	30	2114640	BDPCS, Inc.	\$ 102,478,527.75	05/30/96			NOPAY_DOWNPAYMENT						NOPAY_INSTALLMENT
B358	C1	15	2114640												
B358	C2	15	2114640												
B358	C3	10	2114640										2,894	21,146,400	
B358	C4	10	2114640										3,264	21,146,400	
B358	C5	10	2114640										3,207	21,146,400	
B359	C	30	93287	WIRELESS VENTURES, INC.	\$ 1,253,250.00			06/08/98	AMNESTY_BID						
B359	C1	15	93287												
B359	C2	15	93287												
B359	C3	10	93287										1,726	932,870	
B359	C4	10	93287										1,726	932,870	
B359	C5	10	93287										1,726	932,870	
B360	C	30	150336	Omnipoint PCS Entrepreneurs, Inc.	\$ 4,561,511.25			06/08/98	AMNESTY_BID				1,074	4,510,080	
B360	C1	15	150336												
B360	C2	15	150336												
B360	C3	10	150336												
B360	C4	10	150336												
B360	C5	10	150336												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B361	C	30	457899	NextWave Personal Communications Inc.	\$ 13,583,250.00			10/30/98	NOPAY_INSTALLMENT	06/08/98				13,736,970	
B361	C1	15	457899												
B361	C2	15	457899												
B361	C3	10	457899								04/08/04		2,894	4,578,990	
B361	C4	10	457899					10					3,207	4,578,990	
B361	C5	10	457899					10					3,207	4,578,990	
B362	C	30	167517	CH PCS, Inc.	\$ 4,575,000.00	11/04/96			NOPAY_DOWNPAYMENT				1,074	5,025,510	
B362	C1	15	167517												
B362	C2	15	167517												
B362	C3	10	167517												
B362	C4	10	167517												
B362	C5	10	167517												
B363	C	30	73938	Quantum Communications Group, Inc.	\$ 562,500.00				06/08/98 AMNESTY_PREPAYMENT_CREDIT						
B363	C1	15	73938												
B363	C2	15	73938												
B363	C3	10	73938										1,726	739,380	
B363	C4	10	73938										1,726	739,380	
B363	C5	10	73938										1,726	739,380	
B364	C	30	1582997	NextWave Personal Communications Inc.	\$ 64,131,750.00				10/30/98 NOPAY_INSTALLMENT	06/08/98					
B364	C1	15	1582997												
B364	C2	15	1582997												
B364	C3	10	1582997										3,207	15,829,970	
B364	C4	10	1582997										3,207	15,829,970	
B364	C5	10	1582997										3,207	15,829,970	
B365	C	30	376774	PCS 2000, L.P.	\$ 6,678,075.00				06/08/98 AMNESTY_PREPAYMENT_CREDIT				1,074	11,303,220	
B365	C1	15	376774												
B365	C2	15	376774												
B365	C3	10	376774												
B365	C4	10	376774												
B365	C5	10	376774												
B366	C	30	312828	Mountain Solutions, Ltd	\$ 4,991,674.50	04/28/97			NOPAY_DOWNPAYMENT				1,074	9,384,840	
B366	C1	15	312828												
B366	C2	15	312828												
B366	C3	10	312828												
B366	C4	10	312828												
B366	C5	10	312828												
B367	C	30	184825	ROBERTS-ROBERTS & ASSOCIATES, LLC	\$ 1,531,500.00				06/08/98 AMNESTY_PREPAYMENT_CREDIT				1,074	5,544,750	
B367	C1	15	184825												
B367	C2	15	184825												
B367	C3	10	184825												
B367	C4	10	184825												
B367	C5	10	184825												
B368	C	30	1475053	Urban Communicators PCS Limited Partnership	\$ 46,949,250.00				10/30/98 NOPAY_INSTALLMENT	10/28/98					
B368	C1	15	1475053												
B368	C2	15	1475053												
B368	C3	10	1475053								11/30/06		3,860	14,750,530	
B368	C4	10	1475053								02/08/07		3,930	14,750,530	
B368	C5	10	1475053								07/13/05		3,355	14,750,530	
B369	C	30	196855	MCG PCS, Inc.	\$ 1,470,000.75				06/08/98 AMNESTY_PREPAYMENT_CREDIT				1,074	5,905,650	
B369	C1	15	196855												
B369	C2	15	196855												
B369	C3	10	196855												
B369	C4	10	196855												
B369	C5	10	196855												
B370	C0	30	373638	Omnipoint PCS Entrepreneurs, Inc.	\$ 15,030,761.25										
B370	C1	15	373638												
B370	C2	15	373638						06/08/98 DISAGGREGATION_RESUME				1,074	5,604,570	
B370	C3	10	373638												
B370	C4	10	373638												
B370	C5	10	373638												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B371	C0	30	276618	PCS 2000, L.P.	\$ 4,500,825.00										
B371	C1	15	276618												
B371	C2	15	276618					06/08/98	DISAGGREGATION_PREPAY				1,074	4,149,270	
B371	C3	10	276618												
B371	C4	10	276618												
B371	C5	10	276618												
B372	C	30	589751	PCS 2000, L.P.	\$ 27,802,575.00										
B372	C1	15	589751												
B372	C2	15	589751					06/08/98	NOTAFFORD_PREPAYMENT				1,074	17,692,530	
B372	C3	10	589751												
B372	C4	10	589751												
B372	C5	10	589751												
B373	C	30	104034	WIRELESS VENTURES, INC.	\$ 855,000.00										
B373	C1	15	104034												
B373	C2	15	104034												
B373	C3	10	104034												
B373	C4	10	104034												
B373	C5	10	104034												
B374	C	30	1256479	NextWave Personal Communications Inc.	\$ 51,425,250.00										
B374	C1	15	1256479												
B374	C2	15	1256479												
B374	C3	10	1256479												
B374	C4	10	1256479										3,207	12,564,790	
B374	C5	10	1256479										3,207	12,564,790	
B375	C	30	48975	RT Communications, Inc.	\$ 398,250.00										
B375	C1	15	48975												
B375	C2	15	48975												
B375	C3	10	48975												
B375	C4	10	48975												
B375	C5	10	48975												
B376	C	30	664313	NextWave Personal Communications Inc.	\$ 19,399,500.00										
B376	C1	15	664313												
B376	C2	15	664313												
B376	C3	10	664313												
B376	C4	10	664313										3,207	6,643,130	
B376	C5	10	664313										3,207	6,643,130	
B377	C	30	79456	Urban Communicators PCS Limited Partnership	\$ 642,000.00										
B377	C1	15	79456												
B377	C2	15	79456												
B377	C3	10	79456												
B377	C4	10	79456												
B377	C5	10	79456												
B378	C	30	255927	Fortunet Wireless Communications, L.P.	\$ 4,389,000.00										
B378	C1	15	255927												
B378	C2	15	255927												
B378	C3	10	255927												
B378	C4	10	255927												
B378	C5	10	255927												
B379	C	30	1156164	Omnipoint PCS Entrepreneurs, Inc.	\$ 27,255,011.25										
B379	C1	15	1156164												
B379	C2	15	1156164												
B379	C3	10	1156164												
B379	C4	10	1156164												
B379	C5	10	1156164												
B380	C	30	456277	DCR PCS, Inc.	\$ 14,433,000.00										
B380	C1	15	456277												
B380	C2	15	456277												
B380	C3	10	456277												
B380	C4	10	456277												
B380	C5	10	456277												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B381	C	30	59027	Mountain Solutions, Ltd	\$ 849,000.00	04/28/97			NOPAY_DOWNPAYMENT				1,074	1,770,810	
B381	C1	15	59027												
B381	C2	15	59027												
B381	C3	10	59027												
B381	C4	10	59027												
B381	C5	10	59027												
B382	C	30	216840	Urban Communicators PCS Limited Partnership	\$ 1,644,000.00			10/30/98	NOPAY_INSTALLMENT	10/28/98					
B382	C1	15	216840												
B382	C2	15	216840												
B382	C3	10	216840								11/30/06		3,860	2,168,400	
B382	C4	10	216840								07/13/05		3,355	2,168,400	
B382	C5	10	216840								07/13/05		3,355	2,168,400	
B383	C	30	104820	ROBERTS-ROBERTS & ASSOCIATES, LLC	\$ 804,750.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	3,144,600	
B383	C1	15	104820												
B383	C2	15	104820												
B383	C3	10	104820												
B383	C4	10	104820												
B383	C5	10	104820												
B384	C	30	128692	Southeast Wireless Communications, L.P.	\$ 1,584,000.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	3,860,760	
B384	C1	15	128692												
B384	C2	15	128692												
B384	C3	10	128692												
B384	C4	10	128692												
B384	C5	10	128692												
B385	C	30	100399	Americall International, L.L.C.	\$ 1,659,000.00			06/08/98	AMNESTY_BID				1,074	3,011,970	
B385	C1	15	100399												
B385	C2	15	100399												
B385	C3	10	100399												
B385	C4	10	100399												
B385	C5	10	100399												
B386	C0	30	80793	PVT Wireless Limited Partnership	\$ 1,174,512.00										
B386	C1	15	80793												
B386	C2	15	80793					06/08/98	DISAGGREGATION_RESUME				1,074	1,211,895	
B386	C3	10	80793												
B386	C4	10	80793												
B386	C5	10	80793												
B387	C0	30	98389	PCS Plus, LLC An Arizona Limited Liability Company	\$ 582,000.00					10/28/98	06/20/02				
B387	C1	15	98389										2,236	1,475,835	
B387	C2	15	98389					06/08/98	DISAGGREGATION_PREPAY				1,074	1,475,835	
B387	C3	10	98389												
B387	C4	10	98389												
B387	C5	10	98389												
B388	C0	30	100394	Personal Communications Network, Inc.	\$ 2,850,375.00					08/06/99					
B388	C1	15	100394												
B388	C2	15	100394					06/08/98	DISAGGREGATION_RESUME				1,726	1,505,910	
B388	C3	10	100394												
B388	C4	10	100394												
B388	C5	10	100394												
B389	C	30	2001001	GWl PCS, Inc.	\$ 108,832,500.00					10/20/97					
B389	C1	15	2001001												
B389	C2	15	2001001												
B389	C3	10	2001001												
B389	C4	10	2001001												
B389	C5	10	2001001												
B390	C	30	638851	Anishnabe Communications Enterprise, Inc.	\$ 12,139,042.50										
B390	C1	15	638851												
B390	C2	15	638851												
B390	C3	10	638851										1,726	6,388,510	
B390	C4	10	638851										1,726	6,388,510	
B390	C5	10	638851										1,726	6,388,510	

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B391	C	30	287947	BDPCS, Inc.	\$ 10,506,750.00	05/30/96			NOPAY_DOWNPAYMENT				1,074	8,638,410	AMNESTY_BID
B391	C1	15	287947												
B391	C2	15	287947												
B391	C3	10	287947												
B391	C4	10	287947												
B391	C5	10	287947												
B392	C0	30	140919	PCS Plus, LLC An Arizona Limited Liability Company	\$ 2,522,250.00				BR_ASSIGN_DELAY	10/28/98	06/20/02				
B392	C1	15	140919										2,236	2,113,785	
B392	C2	15	140919						06/08/98 DISAGGREGATION_PREPAY				1,074	2,113,785	
B392	C3	10	140919												
B392	C4	10	140919												
B392	C5	10	140919												
B393	C	30	196619	RLV-PCS I PARTNERSHIP	\$ 2,749,999.50										
B393	C1	15	196619												
B393	C2	15	196619												
B393	C3	10	196619												
B393	C4	10	196619												
B393	C5	10	196619												
B394	C	30	2873395	DCR PCS, Inc.	\$ 104,425,579.50				06/08/98 AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	86,201,850	
B394	C1	15	2873395												
B394	C2	15	2873395												
B394	C3	10	2873395												
B394	C4	10	2873395												
B394	C5	10	2873395												
B395	C	30	528436	BDPCS, Inc.	\$ 15,195,000.00	05/30/96			NOPAY_DOWNPAYMENT				1,074	15,853,080	AMNESTY_PREPAYMENT_CREDIT
B395	C1	15	528436												
B395	C2	15	528436												
B395	C3	10	528436												
B395	C4	10	528436												
B395	C5	10	528436												
B396	C	30	144345	Aer Force Communications, L.P.	\$ 1,200,750.00				06/08/98 AMNESTY_PREPAYMENT_CREDIT				1,074	4,330,350	
B396	C1	15	144345												
B396	C2	15	144345												
B396	C3	10	144345												
B396	C4	10	144345												
B396	C5	10	144345												
B397	C	30	401762	GWV PCS, Inc.	\$ 16,471,500.00					10/20/97					
B397	C1	15	401762												
B397	C2	15	401762												
B397	C3	10	401762												
B397	C4	10	401762												
B397	C5	10	401762												
B398	C	30	186608	Aer Force Communications, L.P.	\$ 4,878,750.00				06/08/98 AMNESTY_PREPAYMENT_CREDIT				1,074	5,598,240	
B398	C1	15	186608												
B398	C2	15	186608												
B398	C3	10	186608												
B398	C4	10	186608												
B398	C5	10	186608												
B399	C	30	1629189	PCS 2000, L.P.	\$ 82,293,825.00				06/08/98 AMNESTY_PREPAYMENT_CREDIT				1,074	48,875,670	
B399	C1	15	1629189												
B399	C2	15	1629189												
B399	C3	10	1629189												
B399	C4	10	1629189												
B399	C5	10	1629189												
B400	C0	30	161869	Poka Lambro PCS, Inc.	\$ 2,972,333.25										
B400	C1	15	161869												
B400	C2	15	161869						06/08/98 DISAGGREGATION_RESUME				1,074	2,428,035	
B400	C3	10	161869												
B400	C4	10	161869												
B400	C5	10	161869												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B401	C	30	1856320	NextWave Personal Communications Inc.	\$ 79,150,551.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B401	C1	15	1856320												
B401	C2	15	1856320												
B401	C3	10	1856320										3,207	18,563,200	
B401	C4	10	1856320										3,207	18,563,200	
B401	C5	10	1856320										3,207	18,563,200	
B402	C	30	2813833	NextWave Personal Communications Inc.	\$ 123,084,000.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B402	C1	15	2813833												
B402	C2	15	2813833												
B402	C3	10	2813833								04/08/04		2,894	28,138,330	
B402	C4	10	2813833				10						3,207	28,138,330	
B402	C5	10	2813833				10						3,207	28,138,330	
B403	C0	30	139038	DCR PCS, Inc.	\$ 3,375,000.00					03/31/97					
B403	C1	15	139038												
B403	C2	15	139038					06/08/98	DISAGGREGATION_PREPAY				1,074	2,085,570	
B403	C3	10	139038												
B403	C4	10	139038												
B403	C5	10	139038												
B404	C	30	7237170	GWI PCS, Inc.	\$ 403,256,250.00					10/20/97					
B404	C1	15	7237170												
B404	C2	15	7237170												
B404	C3	10	7237170												
B404	C4	10	7237170												
B404	C5	10	7237170												
B405	C	30	246681	Alpine PCS, Inc.	\$ 9,891,000.00			08/01/02	NOPAY_INSTALLMENT						
B405	C1	15	246681												
B405	C2	15	246681												
B405	C3	10	246681										4,489	2,466,810	
B405	C4	10	246681										4,489	2,466,810	
B405	C5	10	246681										4,489	2,466,810	
B406	C	30	399347	Alpine PCS, Inc.	\$ 19,200,750.00			08/01/02	NOPAY_INSTALLMENT						
B406	C1	15	399347												
B406	C2	15	399347												
B406	C3	10	399347										4,489	3,993,470	
B406	C4	10	399347										4,489	3,993,470	
B406	C5	10	399347										4,489	3,993,470	
B407	C0	30	218804	BDPCS, Inc.	\$ 6,292,500.00	05/30/96			NOPAY_DOWNPAYMENT						NOPAY_INSTALLMENT
B407	C1	15	218804										1,726	3,282,060	
B407	C2	15	218804					06/08/98	DISAGGREGATION_RESUME				1,074	3,282,060	
B407	C3	10	218804												
B407	C4	10	218804												
B407	C5	10	218804												
B408	C	30	622168	NextWave Personal Communications Inc.	\$ 25,527,830.25			10/30/98	NOPAY_INSTALLMENT	06/08/98				18,665,040	
B408	C1	15	622168												
B408	C2	15	622168												
B408	C3	10	622168								04/08/04		2,894	6,221,680	
B408	C4	10	622168								10/29/04		3,098	6,221,680	
B408	C5	10	622168				10						3,207	6,221,680	
B409	C	30	57510	Northern Michigan PCS Consortium L.L.C.	\$ 929,250.00			06/08/98	AMNESTY_BID				1,074	1,725,300	
B409	C1	15	57510												
B409	C2	15	57510												
B409	C3	10	57510												
B409	C4	10	57510												
B409	C5	10	57510												
B410	C0	30	754491	Southern Wireless, L.P.	\$ 19,875,000.00										
B410	C1	15	754491												
B410	C2	15	754491					06/08/98	DISAGGREGATION_RESUME				1,074	11,317,365	
B410	C3	10	754491												
B410	C4	10	754491												
B410	C5	10	754491												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B411	C	30	101597	Wireless Telecommunications Company	\$ 859,875.00										
B411	C1	15	101597												
B411	C2	15	101597												
B411	C3	10	101597												
B411	C4	10	101597												
B411	C5	10	101597												
B412	C	30	672498	NextWave Personal Communications Inc.	\$ 15,911,250.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B412	C1	15	672498												
B412	C2	15	672498												
B412	C3	10	672498										3,207	6,724,980	
B412	C4	10	672498										3,207	6,724,980	
B412	C5	10	672498										3,207	6,724,980	
B413	C	30	3232492	BDPCS, Inc.	\$ 199,111,635.00	05/30/96			NOPAY_DOWNPAYMENT						NOPAY_INSTALLMENT
B413	C1	15	3232492												
B413	C2	15	3232492												
B413	C3	10	3232492										3,207	32,324,920	
B413	C4	10	3232492										3,207	32,324,920	
B413	C5	10	3232492										3,207	32,324,920	
B414	C0	30	92562	ROBERTS-ROBERTS & ASSOCIATES, LLC	\$ 445,500.00			09/17/01	NOBUILDOUT						
B414	C1	15	92562										3,207	1,388,430	
B414	C2	15	92562					06/08/98	DISAGGREGATION_PREPAY				1,726	1,388,430	
B414	C3	10	92562												
B414	C4	10	92562												
B414	C5	10	92562												
B415	C	30	71409	Central Alabama Partnership L.P. 132	\$ 442,575.75										
B415	C1	15	71409												
B415	C2	15	71409												
B415	C3	10	71409												
B415	C4	10	71409												
B415	C5	10	71409												
B416	C0	30	120293	Devon Mobile Communications, L.P.	\$ 1,783,500.00			10/31/03	NOPAY_INSTALLMENT	08/19/02					
B416	C1	15	120293										3,207	1,804,395	
B416	C2	15	120293					06/08/98	DISAGGREGATION_RESUME				1,726	1,804,395	
B416	C3	10	120293												
B416	C4	10	120293												
B416	C5	10	120293												
B417	C	30	112646	Wireless PCS, Inc.	\$ 2,506,501.50			07/31/99	NOPAY_INSTALLMENT	07/28/99	03/31/11		5,442	3,379,380	
B417	C1	15	112646												
B417	C2	15	112646												
B417	C3	10	112646												
B417	C4	10	112646												
B417	C5	10	112646												
B418	C	30	178371	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 5,995,500.75			06/08/98	AMNESTY_BID				1,074	5,351,130	
B418	C1	15	178371												
B418	C2	15	178371												
B418	C3	10	178371												
B418	C4	10	178371												
B418	C5	10	178371												
B419	C	30	605690	DCR PCS, Inc.	\$ 12,926,250.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	18,170,700	
B419	C1	15	605690												
B419	C2	15	605690												
B419	C3	10	605690												
B419	C4	10	605690												
B419	C5	10	605690												
B420	C	30	117755	CH PCS, Inc.	\$ 2,242,500.00	11/04/96			NOPAY_DOWNPAYMENT				1,074	3,532,650	
B420	C1	15	117755												
B420	C2	15	117755												
B420	C3	10	117755												
B420	C4	10	117755												
B420	C5	10	117755												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B421	C	30	344417	POLYCELL COMMUNICATIONS, INC.	\$ 4,989,166.50										
B421	C1	15	344417												
B421	C2	15	344417												
B421	C3	10	344417												
B421	C4	10	344417												
B421	C5	10	344417												
B422	C	30	244947	Brookings Municipal Utilities	\$ 5,147,345.25				06/08/98 AMNESTY_BID				1,074	7,348,410	
B422	C1	15	244947												
B422	C2	15	244947												
B422	C3	10	244947												
B422	C4	10	244947												
B422	C5	10	244947												
B423	C	30	124982	SouthEast Telephone Limited Partnership, Ltd.	\$ 1,522,500.00				10/30/98 NOPAY_INSTALLMENT				1,074	3,749,460	
B423	C1	15	124982												
B423	C2	15	124982												
B423	C3	10	124982												
B423	C4	10	124982												
B423	C5	10	124982												
B424	C0	30	354754	21st Century Telesis Joint Venture	\$ 13,226,846.25				01/28/00 NOPAY_INSTALLMENT						
B424	C1	15	354754										1,726	5,321,310	
B424	C2	15	354754						06/08/98 DISAGGREGATION_RESUME				1,074	5,321,310	
B424	C3	10	354754												
B424	C4	10	354754												
B424	C5	10	354754												
B425	C0	30	741519	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 11,783,325.75										
B425	C1	15	741519												
B425	C2	15	741519						06/08/98 DISAGGREGATION_RESUME				1,074	11,122,785	
B425	C3	10	741519												
B425	C4	10	741519												
B425	C5	10	741519												
B426	C	30	267461	DCR PCS, Inc.	\$ 7,650,750.00				06/08/98 AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	8,023,830	
B426	C1	15	267461												
B426	C2	15	267461												
B426	C3	10	267461												
B426	C4	10	267461												
B426	C5	10	267461												
B427	C	30	680014	Omnipoint PCS Entrepreneurs, Inc.	\$ 22,495,511.25				06/08/98 AMNESTY_BID				1,074	20,400,420	
B427	C1	15	680014												
B427	C2	15	680014												
B427	C3	10	680014												
B427	C4	10	680014												
B427	C5	10	680014												
B428	C	30	660151	NextWave Personal Communications Inc.	\$ 11,351,250.00				10/30/98 NOPAY_INSTALLMENT	06/08/98					
B428	C1	15	660151												
B428	C2	15	660151												
B428	C3	10	660151								04/08/04		2,894	6,601,510	
B428	C4	10	660151					10					3,207	6,601,510	
B428	C5	10	660151					10					3,207	6,601,510	
B429	C	30	135758	Omnipoint PCS Entrepreneurs, Inc.	\$ 2,597,261.25				06/08/98 AMNESTY_BID				1,074	4,072,740	
B429	C1	15	135758												
B429	C2	15	135758												
B429	C3	10	135758												
B429	C4	10	135758												
B429	C5	10	135758												
B430	C0	30	111524	Devon Mobile Communications, L.P.	\$ 1,887,000.00				10/31/03 NOPAY_INSTALLMENT	08/19/02					
B430	C1	15	111524										3,207	1,672,860	
B430	C2	15	111524						06/08/98 DISAGGREGATION_RESUME				1,074	1,672,860	
B430	C3	10	111524												
B430	C4	10	111524												
B430	C5	10	111524												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B431	C	30	132008	Americall International, L.L.C.	\$ 1,221,000.00			06/08/98	AMNESTY_BID						
B431	C1	15	132008												
B431	C2	15	132008												
B431	C3	10	132008										1,726	1,320,080	
B431	C4	10	132008										1,726	1,320,080	
B431	C5	10	132008										1,726	1,320,080	
B432	C	30	214617	Wireless PCS, Inc.	\$ 3,282,001.50			07/31/99	NOPAY_INSTALLMENT	07/28/99	03/31/11		5,442	6,438,510	
B432	C1	15	214617												
B432	C2	15	214617												
B432	C3	10	214617												
B432	C4	10	214617												
B432	C5	10	214617												
B433	C	30	79601	MBO Wireless, Inc.	\$ 922,500.00			02/01/01	NOPAY_INSTALLMENT			03/03/04	2,858	2,388,030	
B433	C1	15	79601												
B433	C2	15	79601												
B433	C3	10	79601												
B433	C4	10	79601												
B433	C5	10	79601												
B434	C	30	604152	GWI PCS, Inc.	\$ 24,903,000.00					10/20/97					
B434	C1	15	604152												
B434	C2	15	604152												
B434	C3	10	604152												
B434	C4	10	604152												
B434	C5	10	604152												
B435	C0	30	138687	MFRI Inc. (Tern Wireless)	\$ 1,629,000.00			04/03/06	NOPAY_INSTALLMENT	04/28/05					
B435	C1	15	138687										4,032	2,080,305	
B435	C2	15	138687					06/08/98	DISAGGREGATION_RESUME				1,726	2,080,305	
B435	C3	10	138687												
B435	C4	10	138687												
B435	C5	10	138687												
B436	C	30	157267	Carolina PCS I Limited Partnership	\$ 1,494,866.25										
B436	C1	15	157267												
B436	C2	15	157267												
B436	C3	10	157267												
B436	C4	10	157267												
B436	C5	10	157267												
B437	C	30	191962	Omnipoint PCS Entrepreneurs, Inc.	\$ 4,591,511.25			06/08/98	AMNESTY_BID				1,074	5,758,860	
B437	C1	15	191962												
B437	C2	15	191962												
B437	C3	10	191962												
B437	C4	10	191962												
B437	C5	10	191962												
B438	C0	30	780716	21st Century Telesis Joint Venture	\$ 16,914,000.00			01/28/00	NOPAY_INSTALLMENT						
B438	C1	15	780716										1,726	11,710,740	
B438	C2	15	780716					06/08/98	DISAGGREGATION_RESUME				1,074	11,710,740	
B438	C3	10	780716												
B438	C4	10	780716												
B438	C5	10	780716												
B439	C0	30	502539	Southeast Wireless Communications, L.P.	\$ 21,667,500.75										
B439	C1	15	502539												
B439	C2	15	502539					06/08/98	DISAGGREGATION_PREPAY				1,074	7,538,085	
B439	C3	10	502539												
B439	C4	10	502539												
B439	C5	10	502539												
B440	C	30	2628386	NextWave Personal Communications Inc.	\$ 97,839,000.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B440	C1	15	2628386												
B440	C2	15	2628386												
B440	C3	10	2628386								10/29/04		3,098	26,283,860	
B440	C4	10	2628386								04/08/04		2,894	26,283,860	
B440	C5	10	2628386								04/08/04		2,894	26,283,860	

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B441	C	30	354952	NextWave Personal Communications Inc.	\$ 4,522,500.75			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B441	C1	15	354952												
B441	C2	15	354952												
B441	C3	10	354952								04/08/04		2,894	3,549,520	
B441	C4	10	354952										3,207	3,549,520	
B441	C5	10	354952										3,207	3,549,520	
B442	C0	30	245348	21st Century Telesis Joint Venture	\$ 5,344,596.00										
B442	C1	15	245348												
B442	C2	15	245348					06/08/98	DISAGGREGATION_RESUME				1,074	3,680,220	
B442	C3	10	245348												
B442	C4	10	245348												
B442	C5	10	245348												
B443	C	30	270420	DCR PCS, Inc.	\$ 2,760,750.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	8,112,600	
B443	C1	15	270420												
B443	C2	15	270420												
B443	C3	10	270420												
B443	C4	10	270420												
B443	C5	10	270420												
B444	C0	30	789378	DCR PCS, Inc.	\$ 18,306,750.00					03/31/97					
B444	C1	15	789378												
B444	C2	15	789378					06/08/98	DISAGGREGATION_PREPAY				1,074	11,840,670	
B444	C3	10	789378												
B444	C4	10	789378												
B444	C5	10	789378												
B445	C	30	258820	Kansas Personal Communication Services, LTD	\$ 8,457,750.00			07/31/99	NOPAY_INSTALLMENT	07/19/99					
B445	C1	15	258820												
B445	C2	15	258820												
B445	C3	10	258820										4,032	2,588,200	
B445	C4	10	258820										4,032	2,588,200	
B445	C5	10	258820										4,032	2,588,200	
B446	C0	30	247138	NOVERR PUBLISHING INC.	\$ 3,649,500.00										
B446	C1	15	247138												
B446	C2	15	247138					06/08/98	DISAGGREGATION_RESUME				1,074	3,707,070	
B446	C3	10	247138												
B446	C4	10	247138												
B446	C5	10	247138												
B447	C0	30	843746	BDPCS, Inc.	\$ 24,519,750.00	05/30/96			NOPAY_DOWNPAYMENT						NOPAY_INSTALLMENT
B447	C1	15	843746										1,726	12,656,190	
B447	C2	15	843746					06/08/98	DISAGGREGATION_RESUME				1,074	12,656,190	
B447	C3	10	843746												
B447	C4	10	843746												
B447	C5	10	843746												
B448	C0	30	949928	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 31,869,001.50										
B448	C1	15	949928												
B448	C2	15	949928					06/08/98	DISAGGREGATION_RESUME				1,074	14,248,920	
B448	C3	10	949928												
B448	C4	10	949928												
B448	C5	10	949928												
B449	C	30	323239	Eldorado Communications, L.L.C.	\$ 4,520,437.50			06/08/98	AMNESTY_BID				1,074	9,697,170	
B449	C1	15	323239												
B449	C2	15	323239												
B449	C3	10	323239												
B449	C4	10	323239												
B449	C5	10	323239												
B450	C0	30	254017	Mercury PCS, L.L.C.	\$ 4,650,228.75										
B450	C1	15	254017												
B450	C2	15	254017					06/08/98	DISAGGREGATION_RESUME				1,074	3,810,255	
B450	C3	10	254017												
B450	C4	10	254017												
B450	C5	10	254017												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B451	C	30	162397	High Country Communications, L.P.	\$ 2,574,000.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	4,871,910	
B451	C1	15	162397												
B451	C2	15	162397												
B451	C3	10	162397												
B451	C4	10	162397												
B451	C5	10	162397												
B452	C	30	313226	DCR PCS, Inc.	\$ 9,651,000.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	9,396,780	
B452	C1	15	313226												
B452	C2	15	313226												
B452	C3	10	313226												
B452	C4	10	313226												
B452	C5	10	313226												
B453	C0	30	299896	21st Century Telesis Joint Venture	\$ 6,750,000.00			01/28/00	NOPAY_INSTALLMENT						
B453	C1	15	299896										1,726	4,498,440	
B453	C2	15	299896					06/08/98	DISAGGREGATION_RESUME				1,074	4,498,440	
B453	C3	10	299896												
B453	C4	10	299896												
B453	C5	10	299896												
B454	C	30	166053	SOWEGA Wireless Communications, L.P.	\$ 1,689,008.25			06/08/98	AMNESTY_BID				1,074	4,981,590	
B454	C1	15	166053												
B454	C2	15	166053												
B454	C3	10	166053												
B454	C4	10	166053												
B454	C5	10	166053												
B455	C	30	61475	PCSouth, Inc.	\$ 852,075.00										
B455	C1	15	61475												
B455	C2	15	61475												
B455	C3	10	61475												
B455	C4	10	61475												
B455	C5	10	61475												
B456	C	30	165277	Integrated Communications Group Corporation	\$ 2,301,666.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	4,958,310	
B456	C1	15	165277												
B456	C2	15	165277												
B456	C3	10	165277												
B456	C4	10	165277												
B456	C5	10	165277												
B457	C0	30	94897	21st Century Telesis Joint Venture	\$ 480,069.75										
B457	C1	15	94897												
B457	C2	15	94897					06/08/98	DISAGGREGATION_RESUME				1,074	1,423,455	
B457	C3	10	94897												
B457	C4	10	94897												
B457	C5	10	94897												
B458	C0	30	497482	PCS 2000, L.P.	\$ 9,371,325.00										
B458	C1	15	497482												
B458	C2	15	497482					06/08/98	DISAGGREGATION_PREPAY				1,074	7,462,230	
B458	C3	10	497482												
B458	C4	10	497482												
B458	C5	10	497482												
B459	C	30	303669	Aer Force Communications, L.P.	\$ 5,889,750.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT				1,074	9,110,070	
B459	C1	15	303669												
B459	C2	15	303669												
B459	C3	10	303669												
B459	C4	10	303669												
B459	C5	10	303669												
B460	C0	30	174458	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 1,310,252.25										
B460	C1	15	174458												
B460	C2	15	174458					06/08/98	DISAGGREGATION_RESUME				1,074	2,616,870	
B460	C3	10	174458												
B460	C4	10	174458												
B460	C5	10	174458												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B461	C	30	4769729	NextWave Personal Communications Inc.	\$ 260,094,750.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B461	C1	15	4769729												
B461	C2	15	4769729												
B461	C3	10	4769729								04/13/05		3,264	47,697,290	
B461	C4	10	4769729								04/13/05		3,264	47,697,290	
B461	C5	10	4769729								04/08/04		2,894	47,697,290	
B462	C	30	266449	Wireless PCS, Inc.	\$ 2,873,251.50			07/31/99	NOPAY_INSTALLMENT	07/28/99	03/31/11		5,442	7,993,470	
B462	C1	15	266449												
B462	C2	15	266449												
B462	C3	10	266449												
B462	C4	10	266449												
B462	C5	10	266449												
B463	C0	30	301747	21st Century Telesis Joint Venture	\$ 3,647,250.00			01/28/00	NOPAY_INSTALLMENT						
B463	C1	15	301747										1,726	4,526,205	
B463	C2	15	301747					06/08/98	DISAGGREGATION_RESUME				1,726	4,526,205	
B463	C3	10	301747												
B463	C4	10	301747												
B463	C5	10	301747												
B464	C	30	75962	Brookings Municipal Utilities	\$ 534,750.00			06/08/98	AMNESTY_BID				1,074	2,278,860	
B464	C1	15	75962												
B464	C2	15	75962												
B464	C3	10	75962												
B464	C4	10	75962												
B464	C5	10	75962												
B465	C0	30	168002	Personal Communications Network, Inc.	\$ 1,961,250.00			07/31/99	NOPAY_INSTALLMENT	08/06/99					
B465	C1	15	168002										1,726	2,520,030	
B465	C2	15	168002					06/08/98	DISAGGREGATION_RESUME				1,074	2,520,030	
B465	C3	10	168002												
B465	C4	10	168002												
B465	C5	10	168002												
B466	C	30	244048	Wireless PCS, Inc.	\$ 3,906,751.50			07/31/99	NOPAY_INSTALLMENT	07/28/99	03/31/11		5,442	7,321,440	
B466	C1	15	244048												
B466	C2	15	244048												
B466	C3	10	244048												
B466	C4	10	244048												
B466	C5	10	244048												
B467	C	30	113264	Savannah Independent PCS Corporation	\$ 576,750.75			06/08/98	AMNESTY_BID				1,074	3,397,920	
B467	C1	15	113264												
B467	C2	15	113264												
B467	C3	10	113264												
B467	C4	10	113264												
B467	C5	10	113264												
B468	C0	30	213481	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 890,250.75										
B468	C1	15	213481												
B468	C2	15	213481					06/08/98	DISAGGREGATION_RESUME				1,074	3,202,215	
B468	C3	10	213481												
B468	C4	10	213481												
B468	C5	10	213481												
B469	C	30	1167094	GWl PCS, Inc.	\$ 50,613,000.00					10/20/97					
B469	C1	15	1167094												
B469	C2	15	1167094												
B469	C3	10	1167094												
B469	C4	10	1167094												
B469	C5	10	1167094												
B470	C	30	77090	ROBERTS-ROBERTS & ASSOCIATES, LLC	\$ 262,500.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT						
B470	C1	15	77090												
B470	C2	15	77090												
B470	C3	10	77090										1,726	770,900	
B470	C4	10	77090										1,726	770,900	
B470	C5	10	77090										1,726	770,900	

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B471	C	30	211493	Americall International, L.L.C.	\$ 2,025,000.00			06/08/98	AMNESTY_BID				1,074	6,344,790	
B471	C1	15	211493												
B471	C2	15	211493												
B471	C3	10	211493												
B471	C4	10	211493												
B471	C5	10	211493												
B472	C	30	656056	Omnipoint PCS Entrepreneurs, Inc.	\$ 9,632,337.00			06/08/98	AMNESTY_BID				1,074	19,681,680	
B472	C1	15	656056												
B472	C2	15	656056												
B472	C3	10	656056												
B472	C4	10	656056												
B472	C5	10	656056												
B473	C	30	222462	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 4,292,259.00			06/08/98	AMNESTY_BID				1,074	6,673,860	
B473	C1	15	222462												
B473	C2	15	222462												
B473	C3	10	222462												
B473	C4	10	222462												
B473	C5	10	222462												
B474	C	30	175453	SouthEast Telephone Limited Partnership, Ltd.	\$ 1,403,250.00			10/30/98	NOPAY_INSTALLMENT				1,074	5,263,590	
B474	C1	15	175453												
B474	C2	15	175453												
B474	C3	10	175453												
B474	C4	10	175453												
B474	C5	10	175453												
B475	C	30	164514	Omnipoint PCS Entrepreneurs, Inc.	\$ 2,241,761.25			06/08/98	AMNESTY_BID				1,074	4,935,420	
B475	C1	15	164514												
B475	C2	15	164514												
B475	C3	10	164514												
B475	C4	10	164514												
B475	C5	10	164514												
B476	C	30	25498	Vincent D. McBride	\$ 462,755.25			06/08/98	AMNESTY_BID				1,074	764,940	
B476	C1	15	25498												
B476	C2	15	25498												
B476	C3	10	25498												
B476	C4	10	25498												
B476	C5	10	25498												
B477	C0	30	126335	Southwest Minnesota PCS Limited Partnership	\$ 512,011.50										
B477	C1	15	126335												
B477	C2	15	126335					06/08/98	DISAGGREGATION_RESUME				1,074	1,895,025	
B477	C3	10	126335												
B477	C4	10	126335												
B477	C5	10	126335												
B478	C	30	329281	Urban Communicators PCS Limited Partnership	\$ 5,657,250.00			10/30/98	NOPAY_INSTALLMENT	10/28/98	07/13/05		3,355	9,878,430	
B478	C1	15	329281												
B478	C2	15	329281												
B478	C3	10	329281												
B478	C4	10	329281												
B478	C5	10	329281												
B479	C	30	162105	Virginia PCS Alliance Consortium	\$ 4,978,500.00										
B479	C1	15	162105												
B479	C2	15	162105												
B479	C3	10	162105												
B479	C4	10	162105												
B479	C5	10	162105												
B480	C	30	750963	NextWave Personal Communications Inc.	\$ 28,713,750.00			10/30/98	NOPAY_INSTALLMENT	06/08/98					
B480	C1	15	750963												
B480	C2	15	750963												
B480	C3	10	750963										3,207	7,509,630	
B480	C4	10	750963										3,207	7,509,630	
B480	C5	10	750963										3,207	7,509,630	

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B481	C0	30	96475	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 340,500.00										
B481	C1	15	96475												
B481	C2	15	96475					06/08/98	DISAGGREGATION_RESUME				1,074	1,447,125	
B481	C3	10	96475												
B481	C4	10	96475												
B481	C5	10	96475												
B482	C0	30	255943	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 3,558,000.75										
B482	C1	15	255943												
B482	C2	15	255943					06/08/98	DISAGGREGATION_RESUME				1,074	3,839,145	
B482	C3	10	255943												
B482	C4	10	255943												
B482	C5	10	255943												
B483	C	30	473043	Omnipoint PCS Entrepreneurs, Inc.	\$ 9,045,011.25										
B483	C1	15	473043												
B483	C2	15	473043					06/08/98	AMNESTY_BID				1,074	14,191,290	
B483	C3	10	473043												
B483	C4	10	473043												
B483	C5	10	473043												
B484	C	30	482671	R & S PCS, Inc.	\$ 12,059,250.00										
B484	C1	15	482671												
B484	C2	15	482671					06/08/98	AMNESTY_BID				1,074	14,480,130	
B484	C3	10	482671												
B484	C4	10	482671												
B484	C5	10	482671												
B485	C	30	139149	GWl PCS, Inc.	\$ 2,568,000.00					10/20/97					
B485	C1	15	139149												
B485	C2	15	139149												
B485	C3	10	139149												
B485	C4	10	139149												
B485	C5	10	139149												
B486	C	30	160026	CH PCS, Inc.	\$ 5,437,500.00	11/04/96			NOPAY_DOWNPAYMENT						
B486	C1	15	160026												
B486	C2	15	160026												
B486	C3	10	160026												
B486	C4	10	160026												
B486	C5	10	160026												
B487	C	30	188410	The Chillicothe Telephone Co.-Communications, Inc.	\$ 1,401,750.00										
B487	C1	15	188410												
B487	C2	15	188410					06/08/98	NOTAFFORD_PREPAYMENT				1,074	5,652,300	
B487	C3	10	188410												
B487	C4	10	188410												
B487	C5	10	188410												
B488	C0	30	2674278	PCS 2000, L.P.	\$ 84,687,825.00										
B488	C1	15	2674278												
B488	C2	15	2674278					06/08/98	DISAGGREGATION_RESUME				1,074	40,114,170	
B488	C3	10	2674278												
B488	C4	10	2674278												
B488	C5	10	2674278												
B489	C0	30	1134332	PCS 2000, L.P.	\$ 29,400,075.00										
B489	C1	15	1134332												
B489	C2	15	1134332					06/08/98	DISAGGREGATION_RESUME				1,074	17,014,980	
B489	C3	10	1134332												
B489	C4	10	1134332												
B489	C5	10	1134332												
B490	C	30	154805	DCR PCS, Inc.	\$ 1,073,250.00										
B490	C1	15	154805												
B490	C2	15	154805					06/08/98	AMNESTY_PREPAYMENT_CREDI	03/31/97			1,074	4,644,150	
B490	C3	10	154805												
B490	C4	10	154805												
B490	C5	10	154805												

APPENDIX B-2
Auctions 5/10 - PCS C BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	MHZ @CANCEL	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	DELAY	MHZ-POPS	AUC10_CAUSE
B491	C	30	108612	Windkeeper Communications, Inc.	\$ 7,797,750.00			06/08/98	AMNESTY_BID				1,074	3,258,360	
B491	C1	15	108612												
B491	C2	15	108612												
B491	C3	10	108612												
B491	C4	10	108612												
B491	C5	10	108612												
B492	C	30	57291	NATIONAL TELECOM PCS, INC.	\$ 411,000.75	05/30/96			NOPAY_DOWNPAYMENT						NOPAY_INSTALLMENT
B492	C1	15	57291												
B492	C2	15	57291												
B492	C3	10	57291										4,032	572,910	
B492	C4	10	57291										4,032	572,910	
B492	C5	10	57291										4,032	572,910	
B493	C	30	69221	DCR PCS, Inc.	\$ 422,250.00			06/08/98	AMNESTY_PREPAYMENT_CREDIT	03/31/97			1,074	2,076,630	
B493	C1	15	69221												
B493	C2	15	69221												
B493	C3	10	69221												
B493	C4	10	69221												
B493	C5	10	69221												
TOTALS			285,620,445		\$ 10,071,708,841.50								1,505,375	7,062,577,500	
									AMNESTY_BID				78	WEIGHTED AVERAGE DELAY (days)	2287.6176
									AMNESTY_PREPAYMENT_CREDIT				85	2289.5320 days = 6 years, 3 months, 5 days	
									NOTAFFORD_PREPAYMENT				12	TOTAL C BLOCK MHZ-POPS	8,568,613,350
									TOTAL ELECTION CANCELATIONS				175	% MHZ-POPS DELAYED	0.8242
															82%

APPENDIX B-3
Auction 11 - PCS F BLOCK

MARKET	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	BANKRUPTCY			REDLIGHT		DELAY	MHZ_POPS
							FILED	ASSIGN	WAIVED	START	END		
B001	86,789	Montana PCS Alliance, A Montana Joint Venture	\$ 22,950.00										
B002	88,178	Whidbey Telephone Company	\$ 18,750.00										
B003	261,706	Mercury PCS II, LLC	\$ 133,595.00										
B004	55,053	Central Wireless Partnership	\$ 9,350.00										
B005	98,890	OPCSE-Galloway Consortium	\$ 15,011.00										
B006	355,474	OPCSE-Galloway Consortium	\$ 1,095,000.00										
B007	1,047,324	Vtel Wireless, Inc.	\$ 3,809,250.00										
B008	831,850	Poka Lambro PCS, Inc.	\$ 1,207,957.00										
B009	270,223	Mercury Mobility, L. L. C.	\$ 1,056,007.00										
B010	740,395	Northcoast Operating Co., Inc.	\$ 528,758.00										
B011	67,759	Alpine PCS, Inc.	\$ 23,250.00										
B012	224,714	PCSouth, Inc.	\$ 88,000.00										
B013	410,323	High Plains Wireless L.P.	\$ 1,863,003.00										
B014	456,392	PacifiCom - Alaska, LLC	\$ 262,500.00										
B015	181,866	OPCSE-Galloway Consortium	\$ 41,261.00										
B016	347,350	Public Service PCS, Inc.	\$ 290,700.00										
B017	163,006	Technicom, L.L.C.	\$ 48,750.00										
B018	452,355	Metro Southwest PCS, LLP	\$ 801,614.00										
B019	90,772	Poka Lambro PCS, Inc.	\$ 57,057.00										
B020	608,250	Urban Communicators PCS Limited Partnership	\$ 560,250.00			10/30/98 NOPAY_INSTALLMENT	10/28/98	11/30/06				3,607	6,082,500
B021	102,728	Northcoast Operating Co., Inc.	\$ 15,008.00										
B022	207,668	Wireless Telecom, Inc.	\$ 508,110.00			09/24/99 INELIGIBLE_ASSIGNMENT						1,473	2,076,680
B023	130,742	Northcoast Operating Co., Inc.	\$ 36,008.00										
B024	4,407,446	NextWave Power Partners Inc.	\$ 25,260,750.00			10/30/98 NOPAY_INSTALLMENT	06/08/98	04/10/04				2,643	44,074,460
B025	354,878	NextWave Power Partners Inc.	\$ 1,104,750.00			10/30/98 NOPAY_INSTALLMENT	06/08/98	04/13/05				3,011	3,548,780
B026	590,218	OPCSE-Galloway Consortium	\$ 1,575,011.00										
B027	1,325,029	Poka Lambro PCS, Inc.	\$ 1,739,489.00										
B028	661,645	Alpine PCS, Inc.	\$ 5,321,250.00										
B029	2,606,003	OPCSE-Galloway Consortium	\$ 2,722,563.00										
B030	323,784	Northcoast Operating Co., Inc.	\$ 135,758.00										
B031	48,996	Mercury Mobility, L. L. C.	\$ 51,007.00										
B032	705,760	Mercury PCS II, LLC	\$ 3,291,903.00										
B033	240,527	OPCSE-Galloway Consortium	\$ 253,511.00										
B034	467,106	Telecorp Holding Corp., Inc.	\$ 585,750.00										
B035	166,963	Virginia PCS Alliance Consortium 2	\$ 57,800.00										
B036	166,814	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 360,000.00										
B037	66,449	Minnesota PCS Limited Partnership	\$ 141,750.00										
B038	153,558	Westel, L.P.	\$ 215,250.00			02/01/01 NOPAY_INSTALLMENT						2,954	1,535,580
B039	162,453	OPCSE-Galloway Consortium	\$ 159,761.00										
B040	35,762	Mercury PCS II, LLC	\$ 57,090.00										
B041	312,138	Montana PCS Alliance, A Montana Joint Venture	\$ 255,000.00										
B042	396,754	Mercury PCS II, LLC	\$ 2,413,592.00										

APPENDIX B-3
Auction 11 - PCS F BLOCK

MARKET	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	START	END	DELAY	MHZ_POPS
B043	345,959	Northcoast Operating Co., Inc.	\$ 60,008.00										
B044	1,319,776	OPCSE-Galloway Consortium	\$ 1,212,011.00										
B045	129,398	North Dakota Network Co.	\$ 47,600.00										
B046	238,092	BRK Wireless Company, Inc.	\$ 667,500.00										
B047	240,734	Communications Venture PCS LP	\$ 43,500.00			04/28/02 NOBUILDOUT						2,954	2,407,340
B048	168,756	Northcoast Operating Co., Inc.	\$ 14,250.00										
B049	72,026	PCSouth, Inc.	\$ 48,000.00										
B050	584,008	Magnacom Wireless, L.L.C.	\$ 747,000.00			10/30/98 NOPAY_INSTALLMENT	10/28/98					1,473	5,840,080
B051	4,391,344	Northcoast Operating Co., Inc.	\$ 6,681,758.00										
B052	254,561	Mercury PCS II, LLC	\$ 573,842.00										
B053	83,525	Montana PCS Alliance, A Montana Joint Venture	\$ 205,700.00				07/24/03	08/25/05					
B054	97,550	Redwood Wireless Corpration	\$ 99,750.00			04/28/02 NOBUILDOUT						3,779	975,500
B055	231,969	Whidbey Telephone Company	\$ 156,750.00										
B056	355,309	Americall International, LLC	\$ 256,500.00										
B057	63,037	Poka Lambro PCS, Inc.	\$ 210,960.00										
B058	78,415	Mercury PCS II, LLC	\$ 699,090.00										
B059	184,885	PCSouth, Inc.	\$ 136,000.00										
B060	1,213,535	Devon Mobile Communications, L.P.	\$ 2,743,500.00				08/19/02	12/24/03					
B061	136,489	Polycell Communications, Inc.	\$ 85,833.00										
B062	130,800	The Phoenix Wireless Group, Inc.	\$ 93,500.00			01/06/00 VOLUNTARY						1,473	1,308,000
B063	406,799	Vtel Wireless, Inc.	\$ 2,307,750.00										
B064	67,256	Montana PCS Alliance, A Montana Joint Venture	\$ 178,500.00				07/24/03	08/25/05					
B065	534,503	Northcoast Operating Co., Inc.	\$ 710,258.00										
B066	189,401	OPCSE-Galloway Consortium	\$ 27,761.00										
B067	214,191	OPCSE-Galloway Consortium	\$ 15,761.00										
B068	51,658	PVT Wireless Limited Partnership	\$ 80,250.00										
B069	146,211	RT Communications, Inc.	\$ 212,250.00										
B070	289,492	Iowa L.P. 136	\$ 633,250.00										
B071	230,197	BRK Wireless Company, Inc.	\$ 455,250.00										
B072	680,311	Urban Communicators PCS Limited Partnership	\$ 616,500.00			10/30/98 NOPAY_INSTALLMENT	10/28/98	11/30/06				3,607	6,803,110
B073	486,731	MCG PCS, Inc.	\$ 396,755.00										
B074	2,078,083	AirGate Wireless, L.L.C.	\$ 7,587,000.00										
B075	228,045	Urban Communicators PCS Limited Partnership	\$ 584,250.00			10/30/98 NOPAY_INSTALLMENT	10/28/98	02/08/07				3,677	2,280,450
B076	568,186	BTA Ventures II, Inc.	\$ 437,750.00										
B077	113,621	RT Communications, Inc.	\$ 221,250.00										
B078	9,098,316	NextWave Power Partners Inc.	\$ 23,064,750.00			10/30/98 NOPAY_INSTALLMENT	06/08/98	04/10/04				2,643	90,983,160
B079	229,624	Point Enterprises, Inc.	\$ 161,250.00										
B080	101,040	Northcoast Operating Co., Inc.	\$ 18,758.00										
B081	2,170,768	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 7,908,000.00										
B082	190,767	Northcoast Operating Co., Inc.	\$ 29,258.00										
B083	265,119	Tennessee L.P. 121	\$ 130,900.00										
B084	2,993,610	Northcoast Operating Co., Inc.	\$ 5,250,008.00										
B085	104,015	Troup EMC Communications, Inc.	\$ 38,252.00										

APPENDIX B-3
Auction 11 - PCS F BLOCK

MARKET	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	START	END	DELAY	MHZ_POPS
B086	147,772	Redwood Wireless Corporation	\$ 67,500.00										
B087	75,318	Mercury PCS II, LLC	\$ 112,592.00										
B088	61,512	Mercury Mobility, L. L. C.	\$ 19,007.00										
B089	537,484	OPCSE-Galloway Consortium	\$ 1,110,006.00										
B090	216,756	Roberts-Roberts & Associates, LLC	\$ 95,250.00			04/28/02 NOBUILDOUT						2,954	2,167,560
B091	668,081	NextWave Power Partners Inc.	\$ 1,485,000.00			10/30/98 NOPAY_INSTALLMENT	06/08/98	04/13/05				3,011	6,680,810
B092	364,510	Public Service PCS, Inc.	\$ 3,155,294.00										
B093	155,281	OPCSE-Galloway Consortium	\$ 6,011.00										
B094	174,971	Mercury Mobility, L. L. C.	\$ 402,007.00										
B095	1,692,240	Northcoast Operating Co., Inc.	\$ 2,393,258.00										
B096	138,089	Tennessee L.P. 121	\$ 182,750.00										
B097	83,916	OPCSE-Galloway Consortium	\$ 7,886.00										
B098	144,931	Third Kentucky Cellular Corporation	\$ 29,250.00			04/28/02 NOBUILDOUT						3,779	1,449,310
B099	548,161	NextWave Power Partners Inc.	\$ 2,514,000.00			10/30/98 NOPAY_INSTALLMENT	06/08/98	04/13/05				3,011	5,481,610
B100	163,356	Polycell Communications, Inc.	\$ 83,333.00										
B101	5,571,828	NextWave Power Partners Inc.	\$ 16,005,000.00			10/30/98 NOPAY_INSTALLMENT	06/08/98	04/10/04				2,643	55,718,280
B102	120,031	Troup EMC Communications, Inc.	\$ 68,000.00										
B103	110,292	OPCSE-Galloway Consortium	\$ 10,136.00										
B104	171,012	Devon Mobile Communications, L.P.	\$ 1,500,000.00			10/31/03 NOPAY_INSTALLMENT	08/19/02					2,954	1,710,120
B105	429,924	Iowa L.P. 136	\$ 1,364,250.00										
B106	1,219,933	PCS Devco, Inc.	\$ 1,348,500.00										
B107	493,175	NextWave Power Partners Inc.	\$ 739,500.00			10/30/98 NOPAY_INSTALLMENT	06/08/98	04/13/05				3,011	4,931,750
B108	145,867	OPCSE-Galloway Consortium	\$ 48,761.00										
B109	248,778	BRK Wireless Company, Inc.	\$ 75,000.00										
B110	2,712,488	Radiofone PCS, L.L.C.	\$ 2,305,000.00										
B111	804,543	OPCSE-Galloway Consortium	\$ 2,013,000.00										
B112	4,965,944	OPCSE-Galloway Consortium	\$ 6,375,063.00										
B113	35,772	Consolidated Telephone Cooperative	\$ 9,750.00										
B114	42,837	Global Information Technologies, Inc.	\$ 28,518.00										
B115	223,605	Mercury PCS II, LLC	\$ 675,000.00										
B116	313,107	NextWave Power Partners Inc.	\$ 156,750.00			10/30/98 NOPAY_INSTALLMENT	06/08/98	04/13/05				3,011	3,131,070
B117	129,314	Sea Breeze Partners, L.P.	\$ 54,750.00										
B118	179,707	Airadigm Communications, Inc.	\$ 172,500.00			07/31/99 NOPAY_INSTALLMENT	07/28/99					2,397	1,797,070
B119	413,956	Minnesota PCS Limited Partnership	\$ 534,750.00										
B120	120,330	PCSouth, Inc.	\$ 101,000.00										
B121	117,380	Americall International, LLC	\$ 247,500.00										
B122	112,075	Northcoast Operating Co., Inc.	\$ 49,500.00										
B123	195,408	Minnesota PCS Limited Partnership	\$ 181,500.00										
B124	142,361	Integrated Communications Group Corporation	\$ 126,666.00										
B125	105,766	Mercury Mobility, L. L. C.	\$ 90,007.00										
B126	268,804	21st Century Bidding Corp.	\$ 304,237.00			01/28/00 NOPAY_INSTALLMENT						1,473	2,688,040
B127	313,154	Devon Mobile Communications, L.P.	\$ 73,500.00				08/19/02	12/24/03					
B128	748,239	Americall International, LLC	\$ 1,581,750.00										

APPENDIX B-3
Auction 11 - PCS F BLOCK

MARKET	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	START	END	DELAY	MHZ_POPS
B129	47,830	Cellutech	\$ 117,750.00										
B130	85,696	Poka Lambro PCS, Inc.	\$ 189,939.00										
B131	280,843	Devon Mobile Communications, L.P.	\$ 384,000.00				08/19/02	12/24/03					
B132	47,423	Alpine PCS, Inc.	\$ 17,250.00				08/05/03						
B133	322,959	Point Enterprises, Inc.	\$ 687,000.00										
B134	154,025	Polycell Communications, Inc.	\$ 22,583.00										
B135	523,510	Communications Venture PCS LP	\$ 196,500.00										
B136	97,458	Americall International, LLC	\$ 36,750.00										
B137	56,598	Virginia PCS Alliance Consortium 2	\$ 31,450.00										
B138	316,537	North Dakota Network Co.	\$ 392,700.00										
B139	208,285	Lite-Wave Communications, L.L.C.	\$ 265,500.00										
B140	325,364	Eldorado Communications, L.L.C.	\$ 228,750.00										
B141	663,154	Northcoast Operating Co., Inc.	\$ 384,758.00										
B142	131,271	Minnesota PCS Limited Partnership	\$ 174,750.00										
B143	152,886	Northcoast Operating Co., Inc.	\$ 22,508.00										
B144	116,320	WebTel Wireless, Inc.	\$ 95,250.00										
B145	507,828	OPCSE-Galloway Consortium	\$ 378,011.00										
B146	191,015	Mercury PCS II, LLC	\$ 241,502.00										
B147	259,343	Urban Communicators PCS Limited Partnership	\$ 162,000.00			10/30/98 NOPAY_INSTALLMENT	10/28/98	11/30/06				3,607	2,593,430
B148	97,296	Metro Southwest PCS, LLP	\$ 124,972.00										
B149	251,494	PCSouth, Inc.	\$ 117,000.00										
B150	128,475	Redwood Wireless Corpration	\$ 59,250.00										
B151	629,301	Wireless One Technologies, Inc.	\$ 4,003,500.00										
B152	432,373	Devon Mobile Communications, L.P.	\$ 3,120,000.00										
B153	326,881	OnQue Communications, Inc	\$ 338,250.00										
B154	211,099	Mercury PCS II, LLC	\$ 1,683,582.00										
B155	715,480	OPCSE-Galloway Consortium	\$ 1,395,011.00										
B156	165,316	Urban Communicators PCS Limited Partnership	\$ 147,750.00			10/30/98 NOPAY_INSTALLMENT	10/28/98	02/08/07				3,677	1,653,160
B157	922,516	Central Wireless Partnership	\$ 2,723,683.00										
B158	191,899	OPCSE-Galloway Consortium	\$ 154,511.00										
B159	320,199	Mercury PCS II, LLC	\$ 1,104,092.00										
B160	246,560	Wireless Telecom, Inc.	\$ 148,122.00			09/24/99 INELIGIBLE_ASSIGNMENT						1,473	2,465,600
B161	74,571	CM-PCS Partners	\$ 66,008.00										
B162	144,221	Poka Lambro PCS, Inc.	\$ 74,250.00										
B163	73,686	Global Information Technologies, Inc.	\$ 59,268.00										
B164	124,345	21st Century Bidding Corp.	\$ 521,662.00			01/28/00 NOPAY_INSTALLMENT						1,473	1,243,450
B165	241,014	OPCSE-Galloway Consortium	\$ 49,500.00										
B166	203,087	Redwood Wireless Corpration	\$ 82,500.00			04/28/02 NOBUILDOUT						3,779	2,030,870
B167	149,977	Wireless II, L.L.C.	\$ 169,507.00										
B168	246,119	Lite-Wave Communications, L.L.C.	\$ 86,250.00										
B169	1,079,340	OPCSE-Galloway Consortium	\$ 847,511.00										
B170	38,989	Global Information Technologies, Inc.	\$ 16,500.00										
B171	164,305	Montana PCS Alliance, A Montana Joint Venture	\$ 117,300.00										

APPENDIX B-3
Auction 11 - PCS F BLOCK

MARKET	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	START	END	DELAY	MHZ_POPS
B172	180,936	PCSouth, Inc.	\$ 52,000.00										
B173	355,786	PCS One, L.L.C.	\$ 281,625.00										
B174	1,454,066	AirGate Wireless, L.L.C.	\$ 6,908,333.00										
B175	209,666	PCSouth, Inc.	\$ 523,000.00										
B176	247,820	The Phoenix Wireless Group, Inc.	\$ 74,800.00			12/30/99 VOLUNTARY						1,473	2,478,200
B177	914,473	NextWave Power Partners Inc.	\$ 1,824,750.00			10/30/98 NOPAY_INSTALLMENT	06/08/98	04/13/05				3,011	9,144,730
B178	76,229	AirGate Wireless, L.L.C.	\$ 77,250.00			04/29/02 NOBUILDOUT						2,954	762,290
B179	366,345	Virginia PCS Alliance Consortium 2	\$ 1,487,500.00										
B180	111,113	Mercury PCS II, LLC	\$ 52,592.00										
B181	698,708	NextWave Power Partners Inc.	\$ 1,104,750.00			10/30/98 NOPAY_INSTALLMENT	06/08/98	04/10/04				2,643	6,987,080
B182	92,314	PCSouth, Inc.	\$ 64,000.00										
B183	152,235	Urban Communicators PCS Limited Partnership	\$ 633,000.00			10/30/98 NOPAY_INSTALLMENT	10/28/98	02/08/07				3,677	1,522,350
B184	1,148,618	Northcoast Operating Co., Inc.	\$ 6,996,008.00										
B185	73,440	21st Century Bidding Corp.	\$ 164,062.00			01/28/00 NOPAY_INSTALLMENT						1,473	734,400
B186	182,113	Mercury PCS II, LLC	\$ 2,073,833.00										
B187	60,018	Global Information Technologies, Inc.	\$ 69,000.00										
B188	70,150	Montana PCS Alliance, A Montana Joint Venture	\$ 77,350.00				07/24/03	08/25/05					
B189	341,851	AirGate Wireless, L.L.C.	\$ 108,750.00										
B190	148,677	Magnacom Wireless, L.L.C.	\$ 228,000.00			10/30/98 NOPAY_INSTALLMENT	10/28/98					1,473	1,486,770
B191	55,511	Poka Lambro PCS, Inc.	\$ 75,825.00										
B192	876,156	Magnacom Wireless, L.L.C.	\$ 4,799,250.00			10/30/98 NOPAY_INSTALLMENT	10/28/98					1,473	8,761,560
B193	138,969	Eldorado Communications, L.L.C.	\$ 148,500.00										
B194	47,063	Eldorado Communications, L.L.C.	\$ 7,350.00			04/28/02 NOBUILDOUT						3,779	470,630
B195	271,365	Mercury PCS II, LLC	\$ 987,178.00										
B196	5,045,022	Telecorp Holding Corp., Inc.	\$ 7,612,557.00										
B197	368,924	Northcoast Operating Co., Inc.	\$ 33,758.00										
B198	509,873	OPCSE-Galloway Consortium	\$ 363,011.00										
B199	53,386	Redwood Wireless Corporation	\$ 46,500.00										
B200	128,235	Mercury Mobility, L. L. C.	\$ 39,007.00										
B201	246,737	Alpine PCS, Inc.	\$ 801,000.00										
B202	223,017	Valley Wireless, L.P.	\$ 142,500.00										
B203	89,605	MCG PCS, Inc.	\$ 8,255.00										
B204	1,552,963	21st Century Bidding Corp.	\$ 2,475,408.00										
B205	131,676	Iowa L.P. 136	\$ 1,173,850.00										
B206	45,698	Metro Southwest PCS, LLP	\$ 11,922.00										
B207	32,049	Metro Southwest PCS, LLP	\$ 27,222.00										
B208	96,501	Devon Mobile Communications, L.P.	\$ 132,000.00				08/19/02	12/24/03					
B209	204,949	OPCSE-Galloway Consortium	\$ 29,250.00										
B210	677,489	PCSouth, Inc.	\$ 5,004,000.00										
B211	287,020	PCSouth, Inc.	\$ 185,000.00										
B212	1,358,825	Southern Wireless, L.P.	\$ 8,489,000.00										
B213	70,609	BRK Wireless Company, Inc.	\$ 81,750.00										
B214	150,355	ComScape Telecommunications, Inc.	\$ 22,583.00										

APPENDIX B-3
Auction 11 - PCS F BLOCK

MARKET	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	START	END	DELAY	MHZ_POPS
B215	183,613	Devon Mobile Communications, L.P.	\$ 14,257.00				08/19/02	12/24/03					
B216	246,066	NextWave Power Partners Inc.	\$ 345,000.00		10/30/98	NOPAY_INSTALLMENT	06/08/98	04/13/05				3,011	2,460,660
B217	163,616	OPCSE-Galloway Consortium	\$ 53,499.00										
B218	232,621	Central Wireless Partnership	\$ 23,233.00		04/28/02	NOBUILDOUT						3,779	2,326,210
B219	181,062	PCSouth, Inc.	\$ 161,000.00										
B220	247,343	DCC PCS, Inc.	\$ 592,450.00										
B221	73,082	Americall International, LLC	\$ 120,000.00										
B222	128,241	Magnacom Wireless, L.L.C.	\$ 573,750.00		10/30/98	NOPAY_INSTALLMENT	10/28/98					1,473	1,282,410
B223	377,288	Northcoast Operating Co., Inc.	\$ 1,371,758.00										
B224	74,471	Montana PCS Alliance, A Montana Joint Venture	\$ 74,800.00				07/24/03	08/25/05					
B225	135,167	NextWave Power Partners Inc.	\$ 87,750.00		10/30/98	NOPAY_INSTALLMENT	06/08/98	04/10/04				2,643	1,351,670
B226	2,049,447	DCC PCS, Inc.	\$ 2,065,500.00										
B227	118,041	Devon Mobile Communications, L.P.	\$ 273,000.00				08/19/02	11/13/03					
B228	191,822	FCC	\$ -										
B229	707,899	Virginia PCS Alliance Consortium 2	\$ 388,450.00										
B230	57,351	RLV-PCS I Partnership	\$ 25,499.00										
B231	80,646	Westel, L.P.	\$ 42,750.00		11/01/01	NOPAY_INSTALLMENT						2,954	806,460
B232	1,118,107	Tennessee L.P. 121	\$ 4,457,017.00										
B233	192,308	FCC	\$ -										
B234	320,367	Minnesota PCS Limited Partnership	\$ 90,000.00										
B235	275,303	21st Century Bidding Corp.	\$ 236,996.00										
B236	548,154	Mercury PCS II, LLC	\$ 795,146.00										
B237	69,791	Technicom, L.L.C.	\$ 475,500.00										
B238	283,429	Mercury Mobility, L. L. C.	\$ 1,055,007.00										
B239	483,924	Eldorado Communications, L.L.C.	\$ 2,328,750.00										
B240	470,658	NextWave Power Partners Inc.	\$ 385,500.00		10/30/98	NOPAY_INSTALLMENT	06/08/98	04/10/04				2,643	4,706,580
B241	509,246	OPCSE-Galloway Consortium	\$ 445,511.00										
B242	216,446	Integrated Communications Group Corporation	\$ 800,916.00										
B243	153,098	BRK Wireless Company, Inc.	\$ 57,750.00										
B244	249,902	Poka Lambro PCS, Inc.	\$ 138,138.00										
B245	1,568,418	NextWave Power Partners Inc.	\$ 5,511,750.00		10/30/98	NOPAY_INSTALLMENT	06/08/98	04/10/04				2,643	15,684,180
B246	83,107	Pine Belt PCS Partnership	\$ 194,250.00										
B247	99,962	DCC PCS, Inc.	\$ 122,400.00										
B248	180,897	DCC PCS, Inc.	\$ 278,800.00										
B249	179,619	Devon Mobile Communications, L.P.	\$ 295,500.00				08/19/02	09/05/03					
B250	123,481	Magnacom Wireless, L.L.C.	\$ 92,250.00		10/30/98	NOPAY_INSTALLMENT	10/28/98					1,473	1,234,810
B251	221,126	Northcoast Operating Co., Inc.	\$ 160,508.00										
B252	927,633	Northcoast Operating Co., Inc.	\$ 455,258.00										
B253	62,064	Panhandle Telecommunication Systems, Inc.	\$ 39,750.00										
B254	58,463	Magnacom Wireless, L.L.C.	\$ 214,500.00		10/30/98	NOPAY_INSTALLMENT	10/28/98					1,473	584,630
B255	251,414	Telephone Service Company	\$ 145,572.00										
B256	346,818	Polycell Communications, Inc.	\$ 139,999.00										
B257	963,155	Telecorp Holding Corp., Inc.	\$ 695,666.00										

APPENDIX B-3
Auction 11 - PCS F BLOCK

MARKET	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	START	END	DELAY	MHZ_POPS
B258	102,720	Integrated Communications Group Corporation	\$ 7,131.00										
B259	37,710	RLV-PCS I Partnership	\$ 18,709.00										
B260	314,446	Mercury Mobility, L. L. C.	\$ 448,007.00										
B261	96,772	Magnacom Wireless, L.L.C.	\$ 205,500.00		10/30/98	NOPAY_INSTALLMENT	10/28/98					1,473	967,720
B262	16,391,590	Aer Force Communications B, L.P.	\$ 4,473,750.00										
B263	1,486,048	Mercury PCS II, LLC	\$ 1,587,138.00										
B264	409,227	Mercury PCS II, LLC	\$ 1,744,509.00										
B265	162,058	Poka Lambro PCS, Inc.	\$ 10,500.00										
B266	161,946	Devon Mobile Communications, L.P.	\$ 1,328,250.00		10/31/03	NOPAY_INSTALLMENT	08/19/02					2,954	1,619,460
B267	54,645	OnQue Communications, Inc	\$ 33,750.00										
B268	623,060	Integrated Communications Group Corporation	\$ 830,916.00										
B269	114,119	Mercury PCS II, LLC	\$ 471,756.00										
B270	33,749	Tracy Corporation II	\$ 42,750.00										
B271	662,942	OPCSE-Galloway Consortium	\$ 951,750.00										
B272	682,098	PCS Wisconsin, LLC	\$ 3,247,850.00										
B273	46,519	Troup EMC Communications, Inc.	\$ 45,900.00			REDLIGHT				11/18/04	05/13/09	1,637	465,190
B274	617,057	New Hampshire Wireless, a Limited Liability Co.	\$ 1,484,100.00										
B275	117,821	DCC PCS, Inc.	\$ 290,705.00										
B276	82,887	Metro Southwest PCS, LLP	\$ 112,264.00										
B277	250,632	Minnesota PCS Limited Partnership	\$ 879,000.00										
B278	228,341	Northcoast Operating Co., Inc.	\$ 199,508.00										
B279	68,710	Airadigm Communications, Inc.	\$ 246,750.00		07/31/99	NOPAY_INSTALLMENT	07/28/99					2,397	687,100
B280	108,363	Communications Venture PCS LP	\$ 95,461.00		04/28/02	NOBUILDOUT						2,954	1,083,630
B281	97,845	Northcoast Operating Co., Inc.	\$ 27,758.00										
B282	74,496	Vtel Wireless, Inc.	\$ 18,000.00										
B283	57,414	Redwood Wireless Corporation	\$ 35,250.00										
B284	92,753	Urban Communicators PCS Limited Partnership	\$ 7,500.00		10/30/98	NOPAY_INSTALLMENT	10/28/98					6,073	927,530
B285	116,657	Redwood Wireless Corporation	\$ 72,750.00										
B286	64,449	BRK Wireless Company, Inc.	\$ 54,750.00										
B287	90,366	Northcoast Operating Co., Inc.	\$ 12,758.00										
B288	256,995	Magnacom Wireless, L.L.C.	\$ 492,000.00		10/30/98	NOPAY_INSTALLMENT	10/28/98					1,473	2,569,950
B289	476,230	Telecorp Holding Corp., Inc.	\$ 1,103,401.00										
B290	1,553,276	Telecorp Holding Corp., Inc.	\$ 2,067,006.00										
B291	227,684	Central Wireless Partnership	\$ 358,133.00										
B292	209,027	PCSouth, Inc.	\$ 1,059,000.00										
B293	3,955,969	OPCSE-Galloway Consortium	\$ 27,761,308.00										
B294	110,106	21st Century Bidding Corp.	\$ 160,314.00		01/28/00	NOPAY_INSTALLMENT						1,473	1,101,060
B295	118,401	Third Kentucky Cellular Corporation	\$ 22,500.00			REDLIGHT				11/18/04	10/30/09	1,807	1,184,010
B296	120,755	Mercury PCS II, LLC	\$ 405,000.00										
B297	1,849,490	NextWave Power Partners Inc.	\$ 1,468,500.00		10/30/98	NOPAY_INSTALLMENT	06/08/98					2,954	18,494,900
B298	3,293,598	Northcoast Operating Co., Inc.	\$ 1,499,258.00										
B299	118,459	North Dakota Network Co.	\$ 55,250.00										
B300	175,320	Montana PCS Alliance, A Montana Joint Venture	\$ 175,950.00				07/24/03	08/25/05					

APPENDIX B-3
Auction 11 - PCS F BLOCK

MARKET	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	START	END	DELAY	MHZ_POPS
B301	84,187	Redwood Wireless Corporation	\$ 73,500.00										
B302	663,075	Mercury PCS II, LLC	\$ 1,939,332.00										
B303	501,498	Central Wireless Partnership	\$ 1,029,633.00										
B304	331,088	Mercury Mobility, L. L. C.	\$ 517,007.00										
B305	484,647	Mercury PCS II, LLC	\$ 1,771,502.00										
B306	111,200	Virginia PCS Alliance Consortium 2	\$ 42,500.00										
B307	136,888	Lite-Wave Communications, L.L.C.	\$ 76,500.00										
B308	122,656	Integrated Communications Group Corporation	\$ 11,166.00										
B309	182,024	OPCSE-Galloway Consortium	\$ 41,261.00										
B310	225,347	Lite-Wave Communications, L.L.C.	\$ 63,000.00										
B311	164,258	MBO Wireless, Inc.	\$ 402,092.00			02/01/01 NOPAY_INSTALLMENT			03/03/04			2,605	1,642,580
B312	196,629	Urban Communicators PCS Limited Partnership	\$ 656,250.00			10/30/98 NOPAY_INSTALLMENT	10/28/98	11/30/06				3,607	1,966,290
B313	251,377	Wireless One Technologies, Inc.	\$ 1,014,000.00										
B314	1,761,799	OPCSE-Galloway Consortium	\$ 1,651,574.00										
B315	72,775	Mercury Mobility, L. L. C.	\$ 96,007.00										
B316	174,134	ComScape Telecommunications, Inc.	\$ 24,750.00										
B317	94,643	Northcoast Operating Co., Inc.	\$ 2,633.00										
B318	1,006,201	Northcoast Operating Co., Inc.	\$ 1,834,508.00										
B319	368,179	Northcoast Operating Co., Inc.	\$ 701,258.00										
B320	1,430,273	Telecorp Holding Corp., Inc.	\$ 8,142,749.00										
B321	19,620,902	Northcoast Operating Co., Inc.	\$ 75,240,008.00										
B322	38,381	Cellutech	\$ 129,750.00										
B323	112,342	Northeast Nebraska Telephone Company	\$ 206,250.00										
B324	1,784,356	OPCSE-Galloway Consortium	\$ 5,782,511.00										
B325	86,263	Montana PCS Alliance, A Montana Joint Venture	\$ 49,300.00										
B326	258,916	NextWave Power Partners Inc.	\$ 993,000.00			10/30/98 NOPAY_INSTALLMENT	06/08/98	04/13/05				3,011	2,589,160
B327	209,080	Mercury PCS II, LLC	\$ 191,250.00										
B328	104,276	Polycell Communications, Inc.	\$ 16,508.00			04/28/02 NOBUILDOUT						2,954	1,042,760
B329	1,434,827	DCC PCS, Inc.	\$ 1,113,500.00										
B330	238,984	Devon Mobile Communications, L.P.	\$ 54,000.00				08/19/02	12/24/03					
B331	325,360	Point Enterprises, Inc.	\$ 664,500.00										
B332	991,763	CM-PCS Partners	\$ 844,583.00										
B333	109,731	Delaware PCS Limited Partnership	\$ 85,500.00										
B334	151,675	Technicom, L.L.C.	\$ 945,375.00										
B335	123,425	Urban Communicators PCS Limited Partnership	\$ 99,750.00			10/30/98 NOPAY_INSTALLMENT	10/28/98	11/30/06				3,607	1,234,250
B336	1,697,906	Telecorp Holding Corp., Inc.	\$ 3,535,692.00										
B337	124,054	Redwood Wireless Corporation	\$ 183,000.00										
B338	164,630	Troup EMC Communications, Inc.	\$ 15,300.00										
B339	232,585	Troup EMC Communications, Inc.	\$ 37,400.00			REDLIGHT				11/18/04	05/13/09	1,637	2,325,850
B340	201,086	Mercury PCS II, LLC	\$ 1,915,592.00										
B341	95,149	Mercury Mobility, L. L. C.	\$ 93,007.00										
B342	182,549	RLV-PCS I Partnership	\$ 76,509.00										
B343	412,153	Mercury PCS II, LLC	\$ 4,166,832.00										

APPENDIX B-3
Auction 11 - PCS F BLOCK

MARKET	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	START	END	DELAY	MHZ_POPS
B344	461,289	OPCSE-Galloway Consortium	\$ 2,020,511.00										
B345	107,276	Alpine PCS, Inc.	\$ 66,750.00				08/05/03						
B346	6,184,346	NextWave Power Partners Inc.	\$ 22,055,250.00		10/30/98	NOPAY_INSTALLMENT	06/08/98	04/13/05				3,011	61,843,460
B347	3,462,432	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 30,240,750.00										
B348	154,005	Mercury Mobility, L. L. C.	\$ 100,007.00										
B349	92,459	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 52,500.00										
B350	2,471,759	Devon Mobile Communications, L.P.	\$ 195,000.00				08/19/02	09/05/03					
B351	134,953	Northcoast Operating Co., Inc.	\$ 86,258.00										
B352	118,745	21st Century Bidding Corp.	\$ 114,005.00		01/28/00	NOPAY_INSTALLMENT						1,473	1,187,450
B353	100,943	Westel, L.P.	\$ 93,000.00		02/01/01	NOPAY_INSTALLMENT						2,954	1,009,430
B354	48,080	DCC PCS, Inc.	\$ 62,900.00										
B355	154,045	OPCSE-Galloway Consortium	\$ 12,011.00										
B356	90,478	Whidbey Telephone Company	\$ 89,250.00										
B357	521,184	New Hampshire Wireless, a Limited Liability Co.	\$ 685,100.00										
B358	2,114,640	Magnacom Wireless, L.L.C.	\$ 4,371,000.00		10/30/98	NOPAY_INSTALLMENT	10/28/98					1,473	21,146,400
B359	93,287	Northcoast Operating Co., Inc.	\$ 27,758.00										
B360	150,336	MFRI Inc.	\$ 153,000.00										
B361	457,899	Northcoast Operating Co., Inc.	\$ 1,476,758.00										
B362	167,517	WebTel Wireless, Inc.	\$ 83,250.00										
B363	73,938	OPCSE-Galloway Consortium	\$ 13,511.00										
B364	1,582,997	OPCSE-Galloway Consortium	\$ 1,314,761.00										
B365	376,774	NextWave Power Partners Inc.	\$ 173,250.00		10/30/98	NOPAY_INSTALLMENT	06/08/98	04/13/05				3,011	3,767,740
B366	312,828	Mercury Mobility, L. L. C.	\$ 273,007.00										
B367	184,825	Polycell Communications, Inc.	\$ 21,083.00										
B368	1,475,053	ComScape Telecommunications, Inc.	\$ 3,020,250.00										
B369	196,855	Montana PCS Alliance, A Montana Joint Venture	\$ 92,650.00										
B370	373,638	NextWave Power Partners Inc.	\$ 558,750.00		10/30/98	NOPAY_INSTALLMENT	06/08/98	04/10/04				2,643	3,736,380
B371	276,618	Point Enterprises, Inc.	\$ 96,000.00										
B372	589,751	Aer Force Communications B, L.P.	\$ 1,787,250.00										
B373	104,034	OPCSE-Galloway Consortium	\$ 9,011.00										
B374	1,256,479	Urban Communicators PCS Limited Partnership	\$ 3,423,750.00		10/30/98	NOPAY_INSTALLMENT	10/28/98	02/08/07				3,677	12,564,790
B375	48,975	Polycell Communications, Inc.	\$ 14,999.00				07/24/03	08/25/05					
B376	664,313	Urban Communicators PCS Limited Partnership	\$ 4,073,250.00		10/30/98	NOPAY_INSTALLMENT	10/28/98	02/08/07				3,677	6,643,130
B377	79,456	The Phoenix Wireless Group, Inc.	\$ 171,700.00		12/30/99	VOLUNTARY						1,473	794,560
B378	255,927	Minnesota PCS Limited Partnership	\$ 659,250.00										
B379	1,156,164	Northcoast Operating Co., Inc.	\$ 849,758.00										
B380	456,277	Northcoast Operating Co., Inc.	\$ 3,020,258.00										
B381	59,027	Silver Star Telephone Company, Inc.	\$ 49,500.00										
B382	216,840	The Phoenix Wireless Group, Inc.	\$ 119,009.00		12/30/99	VOLUNTARY						1,473	2,168,400
B383	104,820	OPCSE-Galloway Consortium	\$ 8,111.00										
B384	128,692	Troup EMC Communications, Inc.	\$ 92,650.00										
B385	100,399	Magnacom Wireless, L.L.C.	\$ 181,500.00		10/30/98	NOPAY_INSTALLMENT	10/28/98					1,473	1,003,990
B386	80,793	Central Wireless Partnership	\$ 167,733.00		04/26/02	VOLUNTARY						2,954	807,930

APPENDIX B-3
Auction 11 - PCS F BLOCK

MARKET	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	START	END	DELAY	MHZ_POPS
B387	98,389	OnQue Communications, Inc	\$ 81,000.00										
B388	100,394	Vtel Wireless, Inc.	\$ 505,500.00										
B389	2,001,001	NextWave Power Partners Inc.	\$ 7,187,250.00			10/30/98 NOPAY_INSTALLMENT	06/08/98	04/10/04				2,643	20,010,010
B390	638,851	Alpine PCS, Inc.	\$ 372,000.00				08/05/03						
B391	287,947	Wireless Communications Venture	\$ 1,367,250.00										
B392	140,919	South Central Utah Telephone Association	\$ 279,000.00										
B393	196,619	DCC PCS, Inc.	\$ 129,200.00										
B394	2,873,395	NextWave Power Partners Inc.	\$ 3,372,750.00			10/30/98 NOPAY_INSTALLMENT	06/08/98					2,954	28,733,950
B395	528,436	Point Enterprises, Inc.	\$ 1,025,250.00										
B396	144,345	Mercury Mobility, L. L. C.	\$ 43,007.00										
B397	401,762	Alpine PCS, Inc.	\$ 1,506,750.00										
B398	186,608	NextWave Power Partners Inc.	\$ 51,000.00			10/30/98 NOPAY_INSTALLMENT	06/08/98	04/10/04				2,643	1,866,080
B399	1,629,189	NextWave Power Partners Inc.	\$ 1,189,500.00			10/30/98 NOPAY_INSTALLMENT	06/08/98	04/10/04				2,643	16,291,890
B400	161,869	Mercury PCS II, LLC	\$ 377,592.00										
B401	1,856,320	OPCSE-Galloway Consortium	\$ 1,687,596.00										
B402	2,813,833	Central Oregon Cellular, Inc.	\$ 11,462,250.00										
B403	139,038	Northcoast Operating Co., Inc.	\$ 222,758.00										
B404	7,237,170	NextWave Power Partners Inc.	\$ 4,334,250.00			10/30/98 NOPAY_INSTALLMENT	06/08/98	04/10/04				2,643	72,371,700
B405	246,681	Entertainment Unlimited, Inc.	\$ 858,000.00										
B406	399,347	Aer Force Communications B, L.P.	\$ 2,208,720.00										
B407	218,804	Poka Lambro PCS, Inc.	\$ 532,505.00										
B408	622,168	Aer Force Communications B, L.P.	\$ 1,653,000.00										
B409	57,510	Alpine PCS, Inc.	\$ 26,250.00				08/05/03						
B410	754,491	OPCSE-Galloway Consortium	\$ 2,631,761.00										
B411	101,597	Tracy Corporation II	\$ 93,084.00			02/01/01 NOPAY_INSTALLMENT			02/28/07			3,697	1,015,970
B412	672,498	21st Century Bidding Corp.	\$ 561,375.00			01/28/00 NOPAY_INSTALLMENT						1,473	6,724,980
B413	3,232,492	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 10,200,000.00										
B414	92,562	Integrated Communications Group Corporation	\$ 6,141.00										
B415	71,409	Mercury PCS II, LLC	\$ 75,181.00										
B416	120,293	CM-PCS Partners	\$ 56,666.00										
B417	112,646	Metro Southwest PCS, LLP	\$ 165,772.00										
B418	178,371	OnQue Communications, Inc	\$ 68,250.00										
B419	605,690	Mercury Mobility, L. L. C.	\$ 2,750,007.00										
B420	117,755	Poka Lambro PCS, Inc.	\$ 45,750.00										
B421	344,417	Northeast Nebraska Telephone Company	\$ 300,000.00										
B422	244,947	Northeast Nebraska Telephone Company	\$ 550,500.00										
B423	124,982	Third Kentucky Cellular Corporation	\$ 15,000.00			REDLIGHT				11/18/04	10/30/09	1,807	1,249,820
B424	354,754	OPCSE-Galloway Consortium	\$ 1,317,761.00										
B425	741,519	Magnacom Wireless, L.L.C.	\$ 1,558,500.00			10/30/98 NOPAY_INSTALLMENT	10/28/98					1,473	7,415,190
B426	267,461	BRK Wireless Company, Inc.	\$ 967,500.00										
B427	680,014	Northcoast Operating Co., Inc.	\$ 903,008.00										
B428	660,151	OPCSE-Galloway Consortium	\$ 1,460,261.00										
B429	135,758	Devon Mobile Communications, L.P.	\$ 117,750.00				08/19/02	09/15/03					

APPENDIX B-3
Auction 11 - PCS F BLOCK

MARKET	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	START	END	DELAY	MHZ_POPS
B430	111,524	Urban Communicators PCS Limited Partnership	\$ 615,750.00		10/30/98	NOPAY_INSTALLMENT	10/28/98					4,236	1,115,240
B431	132,008	Northcoast Operating Co., Inc.	\$ 84,750.00										
B432	214,617	PCS Devco, Inc.	\$ 210,075.00										
B433	79,601	WebTel Wireless, Inc.	\$ 105,750.00										
B434	604,152	Central Wireless Partnership	\$ 4,659,133.00										
B435	138,687	MFRI Inc.	\$ 139,500.00										
B436	157,267	Urban Communicators PCS Limited Partnership	\$ 101,250.00		10/30/98	NOPAY_INSTALLMENT	10/28/98	11/30/06				3,607	1,572,670
B437	191,962	Conestoga Wireless Company	\$ 174,250.00										
B438	780,716	Northcoast Operating Co., Inc.	\$ 358,508.00										
B439	502,539	Mercury PCS II, LLC	\$ 4,808,342.00										
B440	2,628,386	Telecorp Holding Corp., Inc.	\$ 5,971,353.00										
B441	354,952	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 204,750.00										
B442	245,348	OPCSE-Galloway Consortium	\$ 75,011.00										
B443	270,420	Mercury Mobility, L. L. C.	\$ 214,007.00										
B444	789,378	OPCSE-Galloway Consortium	\$ 1,136,251.00										
B445	258,820	DCC PCS, Inc.	\$ 414,800.00										
B446	247,138	Lite-Wave Communications, L.L.C.	\$ 223,500.00										
B447	843,746	Cook Inlet Western Wireless PV/SS PCS, L.P.	\$ 1,544,250.00										
B448	949,928	NextWave Power Partners Inc.	\$ 1,297,500.00		10/30/98	NOPAY_INSTALLMENT	06/08/98	04/13/05				3,011	9,499,280
B449	323,239	Mercury Mobility, L. L. C.	\$ 939,007.00										
B450	254,017	Mercury Mobility, L. L. C.	\$ 192,007.00										
B451	162,397	Westel, L.P.	\$ 536,250.00		02/01/01	NOPAY_INSTALLMENT						2,954	1,623,970
B452	313,226	NextWave Power Partners Inc.	\$ 496,500.00		10/30/98	NOPAY_INSTALLMENT	06/08/98	04/10/04				2,643	3,132,260
B453	299,896	Holland Wireless, L.L.C.	\$ 96,750.00										
B454	166,053	Mercury PCS II, LLC	\$ 472,734.00										
B455	61,475	Pinnacle Telecom, L.P. of Jackson, Mississippi	\$ 237,000.00										
B456	165,277	Americall International, LLC	\$ 105,000.00										
B457	94,897	OPCSE-Galloway Consortium	\$ 1,289.00										
B458	497,482	Central Wireless Partnership	\$ 710,033.00										
B459	303,669	OPCSE-Galloway Consortium	\$ 212,261.00										
B460	174,458	Magnacom Wireless, L.L.C.	\$ 165,750.00		10/30/98	NOPAY_INSTALLMENT	10/28/98					1,473	1,744,580
B461	4,769,729	Aer Force Communications B, L.P.	\$ 8,835,000.00										
B462	266,449	Redwood Wireless Corporation	\$ 471,000.00										
B463	301,747	Sea Breeze Partners, L.P.	\$ 22,500.00										
B464	75,962	Minnesota PCS Limited Partnership	\$ 33,000.00										
B465	168,002	Northcoast Operating Co., Inc.	\$ 13,508.00										
B466	244,048	Metro Southwest PCS, LLP	\$ 283,072.00										
B467	113,264	Mercury PCS II, LLC	\$ 387,099.00										
B468	213,481	Northcoast Operating Co., Inc.	\$ 42,000.00										
B469	1,167,094	OPCSE-Galloway Consortium	\$ 2,501,261.00										
B470	77,090	OPCSE-Galloway Consortium	\$ 42,011.00										
B471	211,493	Northcoast Operating Co., Inc.	\$ 82,508.00										
B472	656,056	OPCSE-Galloway Consortium	\$ 643,511.00										

APPENDIX B-3
Auction 11 - PCS F BLOCK

MARKET	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	FILED	ASSIGN	WAIVED	START	END	DELAY	MHZ_POPS
B473	222,462	Poka Lambro PCS, Inc.	\$ 111,591.00										
B474	175,453	OPCSE-Galloway Consortium	\$ 3,837.00										
B475	164,514	Northcoast Operating Co., Inc.	\$ 86,250.00										
B476	25,498	North Dakota PCS Alliance, A Joint Venture	\$ 39,000.00										
B477	126,335	Redwood Wireless Corporation	\$ 120,000.00										
B478	329,281	ComScape Telecommunications, Inc.	\$ 187,500.00										
B479	162,105	Devon Mobile Communications, L.P.	\$ 406,500.00				08/19/02	10/17/03					
B480	750,963	Northcoast Operating Co., Inc.	\$ 534,008.00										
B481	96,475	Minnesota PCS Limited Partnership	\$ 133,583.00										
B482	255,943	Magnacom Wireless, L.L.C.	\$ 242,250.00		10/30/98	NOPAY_INSTALLMENT	10/28/98					1,473	2,559,430
B483	473,043	NextWave Power Partners Inc.	\$ 422,250.00		10/30/98	NOPAY_INSTALLMENT	06/08/98	04/10/04				2,643	4,730,430
B484	482,671	Northcoast Operating Co., Inc.	\$ 230,258.00										
B485	139,149	Integrated Communications Group Corporation	\$ 54,816.00										
B486	160,026	Integrated Communications Group Corporation	\$ 50,916.00										
B487	188,410	Northcoast Operating Co., Inc.	\$ 54,758.00										
B488	2,674,278	OPCSE-Galloway Consortium	\$ 2,596,667.00										
B489	1,134,332	Pegasus PCS Partners, L.P.	\$ 3,020,050.00										
B490	154,805	Longstreet Communication International, Inc.	\$ 128,250.00	Unknown		NOPAY_DOWNPAYMENT						1,473	1,548,050
B491	108,612	Westel, L.P.	\$ 699,750.00		02/01/01	NOPAY_INSTALLMENT						2,954	1,086,120
B492	57,291	Westel, L.P.	\$ 41,250.00		02/01/01	NOPAY_INSTALLMENT						4,236	572,910
B493	69,221	Longstreet Communication International, Inc.	\$ 183,000.00	Unknown		NOPAY_DOWNPAYMENT						1,473	692,210
TOTALS	285,620,445		\$642,165,896.00									245,655	668,575,230
												WEIGHTED AVERAGE DELAY (days)	2670.5635
												2670.5635 days = 7 years, 3 months, 23 days	
												TOTAL F BLOCK MHZ-POPS	2,856,204,450
												% MHZ-POPS DELAYED	0.2341
													23%

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B001	D			10.00	86,789	Western PCS BTA I Corporation	\$ 111,114.00						
B002	D			10.00	88,178	AT&T Wireless PCS Inc.	\$ 103,821.00						
B003	D			10.00	261,706	Western PCS BTA I Corporation	\$ 536,001.00						
B004	D			10.00	55,053	Triad Cellular Corporation	\$ 11,000.00						
B005	D			10.00	98,890	Century Personal Access Network, Inc.	\$ 28,000.00						
B006	D			10.00	355,474	SprintCom, Inc.	\$ 6,122,000.00						
B007	D			10.00	1,047,324	AT&T Wireless PCS Inc.	\$ 1,134,000.00						
B008	D			10.00	831,850	SprintCom, Inc.	\$ 2,026,000.00						
B009	D			10.00	270,223	AT&T Wireless PCS Inc.	\$ 1,074,000.00						
B010	D			10.00	740,395	Comcast PCS Communications, Inc.	\$ 2,010,000.00						
B011	D			10.00	67,759	AT&T Wireless PCS Inc.	\$ 13,000.00						
B012	D			10.00	224,714	AT&T Wireless PCS Inc.	\$ 46,000.00						
B013	D			10.00	410,323	Western PCS BTA I Corporation	\$ 1,308,083.00						
B014	D			10.00	456,392	SprintCom, Inc.	\$ 2,082,000.00						
B015	D			10.00	181,866	AT&T Wireless PCS Inc.	\$ 144,000.00						
B016	D			10.00	347,350	SprintCom, Inc.	\$ 1,295,000.00						
B017	D			10.00	163,006	Public Service PCS, Inc.	\$ 65,000.00						
B018	D			10.00	452,355	AT&T Wireless PCS Inc.	\$ 713,000.00						
B019	D			10.00	90,772	Triad Cellular Corporation	\$ 99,000.00						
B020	D			10.00	608,250	SprintCom, Inc.	\$ 971,000.00						
B021	D			10.00	102,728	SprintCom, Inc.	\$ 82,000.00						
B022	D			10.00	207,668	SprintCom, Inc.	\$ 485,000.00						
B023	D			10.00	130,742	SprintCom, Inc.	\$ 101,000.00						
B024	D			10.00	4,407,446	SprintCom, Inc.	\$ 36,075,000.00						
B025	D			10.00	354,878	Rivgam Communicators, L.L.C.	\$ 967,000.00						
B026	D			10.00	590,218	BellSouth Wireless, Inc.	\$ 12,770,000.00						
B027	D			10.00	1,325,029	Western PCS BTA I Corporation	\$ 2,114,001.00						
B028	D			10.00	661,645	AT&T Wireless PCS Inc.	\$ 4,302,000.00						
B029	D			10.00	2,606,003	Rivgam Communicators, L.L.C.	\$ 5,917,000.00						
B030	D			10.00	323,784	Mid-Maine Wireless	\$ 141,000.00						
B031	D			10.00	48,996	ALLTEL Mobile Communications, Inc.	\$ 91,057.00						
B032	D			10.00	705,760	AT&T Wireless PCS Inc.	\$ 3,977,000.00						
B033	D			10.00	240,527	Century Personal Access Network, Inc.	\$ 232,000.00						
B034	D			10.00	467,106	SprintCom, Inc.	\$ 605,000.00						
B035	D			10.00	166,963	SprintCom, Inc.	\$ 154,000.00						
B036	D			10.00	166,814	AT&T Wireless PCS Inc.	\$ 326,000.00						
B037	D			10.00	66,449	Western PCS BTA I Corporation	\$ 72,040.00						
B038	D			10.00	153,558	Central Oregon Cellular, Inc.	\$ 139,000.00						
B039	D			10.00	162,453	SprintCom, Inc.	\$ 329,000.00						
B040	D			10.00	35,762	Western PCS BTA I Corporation	\$ 59,001.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B041	D			10.00	312,138	Touch America, Inc.	\$ 537,000.00						
B042	D			10.00	396,754	BellSouth Wireless, Inc.	\$ 4,928,000.00						
B043	D			10.00	345,959	AT&T Wireless PCS Inc.	\$ 109,000.00						
B044	D			10.00	1,319,776	ALLTEL Mobile Communications, Inc.	\$ 5,380,051.00						
B045	D			10.00	129,398	Touch America, Inc.	\$ 238,000.00						
B046	D			10.00	238,092	SprintCom, Inc.	\$ 183,000.00						
B047	D			10.00	240,734	21st Century Bidding Corp.	\$ 790,650.00						
B048	D			10.00	168,756	SprintCom, Inc.	\$ 246,000.00						
B049	D			10.00	72,026	SprintCom, Inc.	\$ 49,001.00						
B050	D			10.00	584,008	AT&T Wireless PCS Inc.	\$ 927,000.00						
B051	D			10.00	4,391,344	OPCSE-Galloway Consortium	\$ 6,515,015.00						
B052	D			10.00	254,561	Powertel, Inc.	\$ 360,000.00						
B053	D			10.00	83,525	Touch America, Inc.	\$ 177,000.00						
B054	D			10.00	97,550	Minnesota PCS Limited Partnership	\$ 88,000.00						
B055	D			10.00	231,969	AT&T Wireless PCS Inc.	\$ 354,000.00						
B056	D			10.00	355,309	Western PCS BTA I Corporation	\$ 414,001.00						
B057	D			10.00	63,037	Western PCS BTA I Corporation	\$ 194,001.00						
B058	D			10.00	78,415	BellSouth Wireless, Inc.	\$ 2,581,000.00						
B059	D			10.00	184,885	SprintCom, Inc.	\$ 120,000.00						
B060	D			10.00	1,213,535	Rivgam Communicators, L.L.C.	\$ 1,852,000.00						
B061	D			10.00	136,489	Western PCS BTA I Corporation	\$ 171,929.00						
B062	D			10.00	130,800	SprintCom, Inc.	\$ 66,000.00						
B063	D			10.00	406,799	Devon Mobile Communications, L.P.	\$ 1,462,000.00						
B064	D			10.00	67,256	Western PCS BTA I Corporation	\$ 195,001.00						
B065	D			10.00	534,503	SprintCom, Inc.	\$ 632,000.00						
B066	D			10.00	189,401	AT&T Wireless PCS Inc.	\$ 20,000.00						
B067	D			10.00	214,191	AT&T Wireless PCS Inc.	\$ 2,095.00						
B068	D			10.00	51,658	SprintCom, Inc.	\$ 141,000.00						
B069	D			10.00	146,211	U S WEST Communications, Inc.	\$ 582,000.00						
B070	D			10.00	289,492	McLeod, Inc.	\$ 1,893,000.00						
B071	D			10.00	230,197	SprintCom, Inc.	\$ 205,000.00						
B072	D			10.00	680,311	SprintCom, Inc.	\$ 3,374,000.00						
B073	D			10.00	486,731	SprintCom, Inc.	\$ 1,304,000.00						
B074	D			10.00	2,078,083	SprintCom, Inc.	\$ 5,729,000.00						
B075	D			10.00	228,045	Devon Mobile Communications, L.P.	\$ 388,000.00						
B076	D			10.00	568,186	SprintCom, Inc.	\$ 967,000.00						
B077	D			10.00	113,621	U S WEST Communications, Inc.	\$ 372,000.00						
B078	D			10.00	9,098,316	SprintCom, Inc.	\$ 59,976,000.00						
B079	D			10.00	229,624	AT&T Wireless PCS Inc.	\$ 106,000.00						
B080	D			10.00	101,040	SprintCom, Inc.	\$ 97,000.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B081	D			10.00	2,170,768	SprintCom, Inc.	\$ 9,399,000.00						
B082	D			10.00	190,767	AT&T Wireless PCS Inc.	\$ 19,000.00						
B083	D			10.00	265,119	Powertel, Inc.	\$ 202,000.00						
B084	D			10.00	2,993,610	SprintCom, Inc.	\$ 10,450,000.00						
B085	D			10.00	104,015	SprintCom, Inc.	\$ 125,000.00						
B086	D			10.00	147,772	Western PCS BTA I Corporation	\$ 184,976.00						
B087	D			10.00	75,318	Triad Cellular Corporation	\$ 108,000.00						
B088	D			10.00	61,512	Western PCS BTA I Corporation	\$ 79,380.00						
B089	D			10.00	537,484	AT&T Wireless PCS Inc.	\$ 679,000.00						
B090	D			10.00	216,756	OPCSE-Galloway Consortium	\$ 40,015.00						
B091	D			10.00	668,081	SprintCom, Inc.	\$ 2,842,000.00						
B092	D			10.00	364,510	BellSouth Wireless, Inc.	\$ 16,635,000.00						
B093	D			10.00	155,281	AT&T Wireless PCS Inc.	\$ 5,000.00						
B094	D			10.00	174,971	SprintCom, Inc.	\$ 2,287,000.00						
B095	D			10.00	1,692,240	SprintCom, Inc.	\$ 3,064,000.00						
B096	D			10.00	138,089	Powertel, Inc.	\$ 1,727,101.00						
B097	D			10.00	83,916	AT&T Wireless PCS Inc.	\$ 107,000.00						
B098	D			10.00	144,931	Powertel, Inc.	\$ 40,101.00						
B099	D			10.00	548,161	Western PCS BTA I Corporation	\$ 734,001.00						
B100	D			10.00	163,356	Virginia PCS Alliance Consortium 2	\$ 64,000.00						
B101	D			10.00	5,571,828	AT&T Wireless PCS Inc.	\$ 25,895,000.00						
B102	D			10.00	120,031	SprintCom, Inc.	\$ 239,000.00						
B103	D			10.00	110,292	SprintCom, Inc.	\$ 105,000.00						
B104	D			10.00	171,012	SprintCom, Inc.	\$ 993,000.00						
B105	D			10.00	429,924	AT&T Wireless PCS Inc.	\$ 2,770,000.00						
B106	D			10.00	1,219,933	SprintCom, Inc.	\$ 1,887,333.00						
B107	D			10.00	493,175	SprintCom, Inc.	\$ 446,000.00						
B108	D			10.00	145,867	ALLTEL Mobile Communications, Inc.	\$ 191,068.00						
B109	D			10.00	248,778	SprintCom, Inc.	\$ 178,333.00						
B110	D			10.00	2,712,488	AT&T Wireless PCS Inc.	\$ 8,711,000.00						
B111	D			10.00	804,543	McLeod, Inc.	\$ 8,083,000.00						
B112	D			10.00	4,965,944	NextWave Power Partners Inc.	\$ 3,815,000.00						
B113	D			10.00	35,772	Consolidated Telephone Cooperative	\$ 83,000.00						
B114	D			10.00	42,837	Pioneer Telephone Association, Inc.	\$ 26,016.00						
B115	D			10.00	223,605	ALLTEL Mobile Communications, Inc.	\$ 2,803,545.00						
B116	D			10.00	313,107	AT&T Wireless PCS Inc.	\$ 129,000.00						
B117	D			10.00	129,314	CM-PCS Partners	\$ 41,111.00						
B118	D			10.00	179,707	McLeod, Inc.	\$ 294,000.00						
B119	D			10.00	413,956	AT&T Wireless PCS Inc.	\$ 271,000.00						
B120	D			10.00	120,330	SprintCom, Inc.	\$ 388,000.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

BLOCK	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B121	D			10.00	117,380	Mercury PCS II, LLC	\$ 288,057.00						
B122	D			10.00	112,075	SprintCom, Inc.	\$ 89,000.00						
B123	D			10.00	195,408	AT&T Wireless PCS Inc.	\$ 127,000.00						
B124	D			10.00	142,361	NextWave Power Partners Inc.	\$ 88,000.00						
B125	D			10.00	105,766	ALLTEL Mobile Communications, Inc.	\$ 55,209.00						
B126	D			10.00	268,804	SprintCom, Inc.	\$ 702,000.00						
B127	D			10.00	313,154	AT&T Wireless PCS Inc.	\$ 67,000.00						
B128	D			10.00	748,239	SprintCom, Inc.	\$ 1,653,000.00						
B129	D			10.00	47,830	Mercury Mobility, L. L. C.	\$ 63,007.00						
B130	D			10.00	85,696	Triad Cellular Corporation	\$ 120,000.00						
B131	D			10.00	280,843	SprintCom, Inc.	\$ 256,000.00						
B132	D			10.00	47,423	AT&T Wireless PCS Inc.	\$ 19,000.00						
B133	D			10.00	322,959	AT&T Wireless PCS Inc.	\$ 496,000.00						
B134	D			10.00	154,025	Triad Cellular Corporation	\$ 42,000.00						
B135	D			10.00	523,510	Powertel, Inc.	\$ 157,101.00						
B136	D			10.00	97,458	SprintCom, Inc.	\$ 449,000.00						
B137	D			10.00	56,598	AT&T Wireless PCS Inc.	\$ 36,000.00						
B138	D			10.00	316,537	Touch America, Inc.	\$ 551,000.00						
B139	D			10.00	208,285	SprintCom, Inc.	\$ 236,000.00						
B140	D			10.00	325,364	ALLTEL Mobile Communications, Inc.	\$ 321,231.00						
B141	D			10.00	663,154	SprintCom, Inc.	\$ 1,048,000.00						
B142	D			10.00	131,271	AT&T Wireless PCS Inc.	\$ 180,000.00						
B143	D			10.00	152,886	OPCSE-Galloway Consortium	\$ 33,015.00						
B144	D			10.00	116,320	U S WEST Communications, Inc.	\$ 615,000.00						
B145	D			10.00	507,828	Century Personal Access Network, Inc.	\$ 305,000.00						
B146	D			10.00	191,015	ALLTEL Mobile Communications, Inc.	\$ 679,066.00						
B147	D			10.00	259,343	SprintCom, Inc.	\$ 991,000.00						
B148	D			10.00	97,296	AT&T Wireless PCS Inc.	\$ 95,000.00						
B149	D			10.00	251,494	AT&T Wireless PCS Inc.	\$ 407,000.00						
B150	D			10.00	128,475	AT&T Wireless PCS Inc.	\$ 181,000.00						
B151	D			10.00	629,301	BellSouth Wireless, Inc.	\$ 9,034,000.00						
B152	D			10.00	432,373	BellSouth Wireless, Inc.	\$ 4,444,000.00						
B153	D			10.00	326,881	Western PCS BTA I Corporation	\$ 339,001.00						
B154	D			10.00	211,099	ALLTEL Mobile Communications, Inc.	\$ 2,450,146.00						
B155	D			10.00	715,480	SprintCom, Inc.	\$ 1,913,000.00						
B156	D			10.00	165,316	OPCSE-Galloway Consortium	\$ 113,015.00						
B157	D			10.00	922,516	AT&T Wireless PCS Inc.	\$ 1,011,000.00						
B158	D			10.00	191,899	ALLTEL Mobile Communications, Inc.	\$ 836,146.00						
B159	D			10.00	320,199	SprintCom, Inc.	\$ 4,684,000.00						
B160	D			10.00	246,560	SprintCom, Inc.	\$ 177,000.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

BLOCK	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B161	D			10.00	74,571	SprintCom, Inc.	\$ 49,333.00						
B162	D			10.00	144,221	SprintCom, Inc.	\$ 177,000.00						
B163	D			10.00	73,686	Pioneer Telephone Association, Inc.	\$ 58,016.00						
B164	D			10.00	124,345	AT&T Wireless PCS Inc.	\$ 85,000.00						
B165	D			10.00	241,014	SprintCom, Inc.	\$ 197,000.00						
B166	D			10.00	203,087	Western PCS BTA I Corporation	\$ 374,381.00						
B167	D	P0		10.00	149,977	U S WEST Communications, Inc.	\$ 215,100.00						
B167	D	P1		10.00	12,505			10	12505	06/26/02	NOBUILDOUT	2,954	125,050
B168	D			10.00	246,119	AT&T Wireless PCS Inc.	\$ 310,000.00						
B169	D			10.00	1,079,340	Century Personal Access Network, Inc.	\$ 925,000.00						
B170	D			10.00	38,989	Pioneer Telephone Association, Inc.	\$ 22,022.00						
B171	D			10.00	164,305	Touch America, Inc.	\$ 342,000.00						
B172	D			10.00	180,936	U S WEST Communications, Inc.	\$ 39,000.00						
B173	D			10.00	355,786	AT&T Wireless PCS Inc.	\$ 509,000.00						
B174	D			10.00	1,454,066	SprintCom, Inc.	\$ 6,828,001.00						
B175	D			10.00	209,666	SprintCom, Inc.	\$ 1,841,000.00						
B176	D			10.00	247,820	SprintCom, Inc.	\$ 269,000.00						
B177	D			10.00	914,473	SprintCom, Inc.	\$ 3,708,000.00						
B178	D			10.00	76,229	SprintCom, Inc.	\$ 156,000.00						
B179	D			10.00	366,345	OPCSE-Galloway Consortium	\$ 1,140,015.00						
B180	D			10.00	111,113	AT&T Wireless PCS Inc.	\$ 160,000.00						
B181	D			10.00	698,708	Denver and Ephrata Telephone and Telegraph Company	\$ 960,000.00						
B182	D			10.00	92,314	Western PCS BTA I Corporation	\$ 70,001.00						
B183	D			10.00	152,235	Virginia PCS Alliance Consortium 1	\$ 650,000.00						
B184	D			10.00	1,148,618	AT&T Wireless PCS Inc.	\$ 2,674,000.00						
B185	D			10.00	73,440	U S WEST Communications, Inc.	\$ 161,001.00						
B186	D			10.00	182,113	Radiofone PCS, L.L.C.	\$ 630,000.00						
B187	D			10.00	60,018	Pioneer Telephone Association, Inc.	\$ 57,111.00						
B188	D			10.00	70,150	Western PCS BTA I Corporation	\$ 129,001.00						
B189	D			10.00	341,851	SprintCom, Inc.	\$ 383,000.00						
B190	D			10.00	148,677	AT&T Wireless PCS Inc.	\$ 266,000.00						
B191	D			10.00	55,511	Western PCS BTA I Corporation	\$ 69,706.00						
B192	D			10.00	876,156	AT&T Wireless PCS Inc.	\$ 3,502,000.00						
B193	D			10.00	138,969	Western PCS BTA I Corporation	\$ 194,001.00						
B194	D			10.00	47,063	AT&T Wireless PCS Inc.	\$ 9,600.00						
B195	D			10.00	271,365	SJI, Inc.	\$ 1,247,000.00						
B196	D			10.00	5,045,022	SprintCom, Inc.	\$ 13,259,000.00						
B197	D			10.00	368,924	SprintCom, Inc.	\$ 373,000.00						
B198	D			10.00	509,873	ALLTEL Mobile Communications, Inc.	\$ 994,066.00						
B199	D			10.00	53,386	Western PCS BTA I Corporation	\$ 66,486.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B200	D			10.00	128,235	Western PCS BTA I Corporation	\$ 156,368.00						
B201	D			10.00	246,737	OPCSE-Galloway Consortium	\$ 204,015.00						
B202	D			10.00	223,017	AT&T Wireless PCS Inc.	\$ 254,000.00						
B203	D			10.00	89,605	AT&T Wireless PCS Inc.	\$ 900.00						
B204	D			10.00	1,552,963	AT&T Wireless PCS Inc.	\$ 1,561,000.00						
B205	D			10.00	131,676	McLeod, Inc.	\$ 970,000.00						
B206	D			10.00	45,698	AT&T Wireless PCS Inc.	\$ 44,000.00						
B207	D			10.00	32,049	MVI Corp.	\$ 26,001.00			10/24/02 NOBUILDOUT		2,954	320,490
B208	D			10.00	96,501	Leong, Harvey	\$ 108,000.00						
B209	D			10.00	204,949	Century Personal Access Network, Inc.	\$ 60,000.00						
B210	D			10.00	677,489	SprintCom, Inc.	\$ 5,238,000.00						
B211	D			10.00	287,020	SprintCom, Inc.	\$ 211,333.00						
B212	D			10.00	1,358,825	SprintCom, Inc.	\$ 15,607,858.00						
B213	D			10.00	70,609	SprintCom, Inc.	\$ 58,000.00						
B214	D			10.00	150,355	SprintCom, Inc.	\$ 136,000.00						
B215	D			10.00	183,613	AT&T Wireless PCS Inc.	\$ 21,016.00						
B216	D			10.00	246,066	AT&T Wireless PCS Inc.	\$ 64,000.00						
B217	D			10.00	163,616	Western PCS BTA I Corporation	\$ 42,001.00						
B218	D			10.00	232,621	AT&T Wireless PCS Inc.	\$ 24,000.00						
B219	D			10.00	181,062	ALLTEL Mobile Communications, Inc.	\$ 112,241.00						
B220	D			10.00	247,343	Southwestern Bell Mobile Systems, Inc.	\$ 266,001.00						
B221	D			10.00	73,082	SprintCom, Inc.	\$ 407,000.00						
B222	D			10.00	128,241	AT&T Wireless PCS Inc.	\$ 459,000.00						
B223	D			10.00	377,288	Century Personal Access Network, Inc.	\$ 1,481,100.00						
B224	D			10.00	74,471	Western PCS BTA I Corporation	\$ 271,001.00						
B225	D			10.00	135,167	SprintCom, Inc.	\$ 114,000.00						
B226	D			10.00	2,049,447	ALLTEL Mobile Communications, Inc.	\$ 4,782,169.00						
B227	D			10.00	118,041	OPCSE-Galloway Consortium	\$ 217,000.00						
B228	D			10.00	191,822	Western PCS BTA I Corporation	\$ 188,001.00						
B229	D			10.00	707,899	SprintCom, Inc.	\$ 534,000.00						
B230	D			10.00	57,351	OPCSE-Galloway Consortium	\$ 12,015.00						
B231	D			10.00	80,646	Central Oregon Cellular, Inc.	\$ 88,769.00						
B232	D			10.00	1,118,107	SprintCom, Inc.	\$ 13,455,000.00						
B233	D			10.00	192,308	OPCSE-Galloway Consortium	\$ 284,015.00						
B234	D			10.00	320,367	MVI Corp.	\$ 640,000.00						
B235	D			10.00	275,303	AT&T Wireless PCS Inc.	\$ 591,000.00						
B236	D			10.00	548,154	AT&T Wireless PCS Inc.	\$ 1,286,000.00						
B237	D			10.00	69,791	BellSouth Wireless, Inc.	\$ 2,266,000.00						
B238	D			10.00	283,429	SprintCom, Inc.	\$ 3,750,333.00						
B239	D			10.00	483,924	SprintCom, Inc.	\$ 6,100,000.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B240	D			10.00	470,658	Comcast PCS Communications, Inc.	\$ 437,000.00						
B241	D			10.00	509,246	Century Personal Access Network, Inc.	\$ 348,000.00						
B242	D			10.00	216,446	Western PCS BTA I Corporation	\$ 590,001.00						
B243	D			10.00	153,098	SprintCom, Inc.	\$ 140,000.00						
B244	D			10.00	249,902	SprintCom, Inc.	\$ 397,001.00						
B245	D			10.00	1,568,418	AT&T Wireless PCS Inc.	\$ 3,049,000.00						
B246	D			10.00	83,107	AT&T Wireless PCS Inc.	\$ 174,000.00						
B247	D			10.00	99,962	AT&T Wireless PCS Inc.	\$ 41,000.00						
B248	D			10.00	180,897	Triad Cellular Corporation	\$ 343,000.00						
B249	D			10.00	179,619	Vtel Wireless, Inc.	\$ 189,000.00						
B250	D			10.00	123,481	Touch America, Inc.	\$ 176,000.00						
B251	D			10.00	221,126	Mid-Maine Wireless	\$ 90,005.00						
B252	D			10.00	927,633	Powertel, Inc.	\$ 743,101.00						
B253	D			10.00	62,064	Panhandle Telecommunication Systems, Inc.	\$ 54,000.00						
B254	D			10.00	58,463	AT&T Wireless PCS Inc.	\$ 169,000.00						
B255	D			10.00	251,414	OPCSE-Galloway Consortium	\$ 143,015.00						
B256	D			10.00	346,818	U S WEST Communications, Inc.	\$ 725,000.00						
B257	D			10.00	963,155	Western PCS BTA I Corporation	\$ 596,001.00						
B258	D			10.00	102,720	AT&T Wireless PCS Inc.	\$ 34,000.00						
B259	D			10.00	37,710	SprintCom, Inc.	\$ 41,000.00						
B260	D			10.00	314,446	Southwestern Bell Mobile Systems, Inc.	\$ 582,103.00						
B261	D			10.00	96,772	AT&T Wireless PCS Inc.	\$ 142,000.00						
B262	D			10.00	16,391,590	AT&T Wireless PCS Inc.	\$ 37,510,000.00						
B263	D			10.00	1,486,048	Powertel, Inc.	\$ 3,897,101.00						
B264	D			10.00	409,227	High Plains Wireless L.P.	\$ 2,167,000.00						
B265	D			10.00	162,058	SprintCom, Inc.	\$ 57,000.00						
B266	D			10.00	161,946	SprintCom, Inc.	\$ 977,001.00						
B267	D			10.00	54,645	Southwestern Bell Mobile Systems, Inc.	\$ 70,777.00						
B268	D			10.00	623,060	Western PCS BTA I Corporation	\$ 748,001.00						
B269	D			10.00	114,119	ALLTEL Mobile Communications, Inc.	\$ 816,000.00						
B270	D			10.00	33,749	Cambridge Telephone Company	\$ 75,000.00						
B271	D			10.00	662,942	SprintCom, Inc.	\$ 5,126,000.00						
B272	D			10.00	682,098	AT&T Wireless PCS Inc.	\$ 2,421,000.00						
B273	D			10.00	46,519	Powertel, Inc.	\$ 44,000.00						
B274	D			10.00	617,057	OPCSE-Galloway Consortium	\$ 715,015.00						
B275	D			10.00	117,821	Western PCS BTA I Corporation	\$ 153,598.00						
B276	D			10.00	82,887	AT&T Wireless PCS Inc.	\$ 68,000.00						
B277	D			10.00	250,632	AT&T Wireless PCS Inc.	\$ 1,357,000.00						
B278	D			10.00	228,341	SprintCom, Inc.	\$ 275,000.00						
B279	D			10.00	68,710	AT&T Wireless PCS Inc.	\$ 220,000.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B280	D		10.00	108,363	AT&T Wireless PCS Inc.	\$ 66,000.00						
B281	D		10.00	97,845	SprintCom, Inc.	\$ 92,000.00						
B282	D		10.00	74,496	AT&T Wireless PCS Inc.	\$ 49,000.00						
B283	D		10.00	57,414	Western PCS BTA I Corporation	\$ 69,619.00						
B284	D		10.00	92,753	SprintCom, Inc.	\$ 83,000.00						
B285	D		10.00	116,657	Western PCS BTA I Corporation	\$ 149,000.00						
B286	D		10.00	64,449	SprintCom, Inc.	\$ 145,000.00						
B287	D		10.00	90,366	SprintCom, Inc.	\$ 87,000.00						
B288	D		10.00	256,995	Central Oregon Cellular, Inc.	\$ 297,000.00						
B289	D		10.00	476,230	SprintCom, Inc.	\$ 950,001.00						
B290	D		10.00	1,553,276	SprintCom, Inc.	\$ 3,512,000.00						
B291	D		10.00	227,684	AT&T Wireless PCS Inc.	\$ 283,000.00						
B292	D		10.00	209,027	Bay Springs Telephone Company, Inc.	\$ 1,656,000.00						
B293	D		10.00	3,955,969	AT&T Wireless PCS Inc.	\$ 17,617,000.00						
B294	D		10.00	110,106	SprintCom, Inc.	\$ 200,333.00						
B295	D		10.00	118,401	SprintCom, Inc.	\$ 133,333.00						
B296	D		10.00	120,755	Western PCS BTA I Corporation	\$ 237,001.00						
B297	D		10.00	1,849,490	AT&T Wireless PCS Inc.	\$ 4,312,000.00						
B298	D P0		10.00	3,293,598	U S WEST Communications, Inc.	\$ 7,200,000.00						
B298	D P1		10.00	P1+P2=P3			10	133339	06/27/02	NOBUILDOUT	2,954	1,333,390
B298	D P2		10.00	P1+P2=P3			10	57542	07/01/02	NOBUILDOUT	2,954	575,420
B298	D P3		10.00	190,881								
B299	D		10.00	118,459	North Dakota Network Co.	\$ 169,000.00						
B300	D		10.00	175,320	Western PCS BTA I Corporation	\$ 274,320.00						
B301	D		10.00	84,187	Western PCS BTA I Corporation	\$ 105,119.00						
B302	D		10.00	663,075	ALLTEL Mobile Communications, Inc.	\$ 4,682,062.00						
B303	D		10.00	501,498	AT&T Wireless PCS Inc.	\$ 759,000.00						
B304	D		10.00	331,088	BellSouth Wireless, Inc.	\$ 1,283,000.00						
B305	D		10.00	484,647	ALLTEL Mobile Communications, Inc.	\$ 5,815,050.00						
B306	D		10.00	111,200	AT&T Wireless PCS Inc.	\$ 62,000.00						
B307	D		10.00	136,888	Century Personal Access Network, Inc.	\$ 85,000.00						
B308	D		10.00	122,656	Western PCS BTA I Corporation	\$ 13,001.00						
B309	D		10.00	182,024	21st Century Bidding Corp.	\$ 321,221.00						
B310	D		10.00	225,347	Century Personal Access Network, Inc.	\$ 65,000.00						
B311	D		10.00	164,258	ALLTEL Mobile Communications, Inc.	\$ 464,101.00						
B312	D		10.00	196,629	SprintCom, Inc.	\$ 498,000.00						
B313	D		10.00	251,377	ALLTEL Mobile Communications, Inc.	\$ 2,727,273.00						
B314	D		10.00	1,761,799	Powertel, Inc.	\$ 3,264,101.00						
B315	D		10.00	72,775	SprintCom, Inc.	\$ 427,000.00						
B316	D		10.00	174,134	SprintCom, Inc.	\$ 158,000.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B317	D			10.00	94,643	AT&T Wireless PCS Inc.	\$ 49,000.00						
B318	D			10.00	1,006,201	AT&T Wireless PCS Inc.	\$ 1,186,000.00						
B319	D			10.00	368,179	AT&T Wireless PCS Inc.	\$ 215,000.00						
B320	D			10.00	1,430,273	AT&T Wireless PCS Inc.	\$ 11,638,000.00						
B321	D			10.00	19,620,902	OPCSE-Galloway Consortium	\$ 50,700,015.00						
B322	D			10.00	38,381	U S WEST Communications, Inc.	\$ 37,000.00						
B323	D			10.00	112,342	Wireless II, L.L.C.	\$ 207,005.00						
B324	D			10.00	1,784,356	SprintCom, Inc.	\$ 4,735,000.00						
B325	D			10.00	86,263	U S WEST Communications, Inc.	\$ 121,293.00						
B326	D			10.00	258,916	SprintCom, Inc.	\$ 2,435,000.00						
B327	D			10.00	209,080	Western PCS BTA I Corporation	\$ 373,485.00						
B328	D			10.00	104,276	AT&T Wireless PCS Inc.	\$ 5,000.00						
B329	D	P0		10.00	1,434,827	Triad Cellular Corporation	\$ 1,389,000.00						
B329	D	P1		10.00	21,735			10	21735	04/29/02	NOBUILDOUT	2,954	217,350
B330	D			10.00	238,984	OPCSE-Galloway Consortium	\$ 53,015.00						
B331	D			10.00	325,360	AT&T Wireless PCS Inc.	\$ 598,000.00						
B332	D	P0		10.00	991,763	U S WEST Communications, Inc.	\$ 6,351,000.00						
B332	D	P1		10.00	P1+P2+P4=P3			10		04/28/02	NOBUILDOUT	2,954	
B332	D	P2		10.00	P1+P2+P4=P3			10		04/28/02	NOBUILDOUT	2,954	
B332	D	P3		10.00	97,773			10		04/28/02	NOBUILDOUT	2,954	977,730
B332	D	P4		10.00	P1+P2+P4=P3			10		04/28/02	NOBUILDOUT	2,954	
B333	D			10.00	109,731	AT&T Wireless PCS Inc.	\$ 23,000.00						
B334	D			10.00	151,675	SprintCom, Inc.	\$ 5,200,366.00						
B335	D			10.00	123,425	SprintCom, Inc.	\$ 198,000.00						
B336	D			10.00	1,697,906	SprintCom, Inc.	\$ 5,660,000.00						
B337	D			10.00	124,054	RLV-PCS I Partnership	\$ 154,444.00						
B338	D			10.00	164,630	Powertel, Inc.	\$ 33,101.00						
B339	D			10.00	232,585	Powertel, Inc.	\$ 24,000.00						
B340	D			10.00	201,086	BellSouth Wireless, Inc.	\$ 5,054,000.00						
B341	D			10.00	95,149	Western PCS BTA I Corporation	\$ 76,001.00						
B342	D			10.00	182,549	SprintCom, Inc.	\$ 168,000.00						
B343	D			10.00	412,153	ALLTEL Mobile Communications, Inc.	\$ 7,164,056.00						
B344	D			10.00	461,289	SprintCom, Inc.	\$ 1,370,001.00						
B345	D			10.00	107,276	ACC-PCS, Inc.	\$ 63,000.00						
B346	D			10.00	6,184,346	Comcast PCS Communications, Inc.	\$ 12,169,000.00						
B347	D			10.00	3,462,432	U S WEST Communications, Inc.	\$ 11,274,000.00						
B348	D			10.00	154,005	Western PCS BTA I Corporation	\$ 100,001.00						
B349	D			10.00	92,459	AT&T Wireless PCS Inc.	\$ 185,000.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

BLOCK	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B350	D			10.00	2,471,759	AT&T Wireless PCS Inc.	\$ 2,792,000.00						
B351	D			10.00	134,953	NextWave Power Partners Inc.	\$ 52,000.00						
B352	D			10.00	118,745	AT&T Wireless PCS Inc.	\$ 73,000.00						
B353	D			10.00	100,943	U S WEST Communications, Inc.	\$ 104,000.00						
B354	D			10.00	48,080	Triad Cellular Corporation	\$ 29,000.00						
B355	D			10.00	154,045	Western PCS BTA I Corporation	\$ 46,001.00						
B356	D			10.00	90,478	AT&T Wireless PCS Inc.	\$ 119,000.00						
B357	D			10.00	521,184	OPCSE-Galloway Consortium	\$ 208,015.00						
B358	D			10.00	2,114,640	AT&T Wireless PCS Inc.	\$ 7,102,000.00						
B359	D			10.00	93,287	SprintCom, Inc.	\$ 97,000.00						
B360	D			10.00	150,336	Conestoga Wireless Company	\$ 92,000.00						
B361	D			10.00	457,899	AT&T Wireless PCS Inc.	\$ 1,084,000.00						
B362	D			10.00	167,517	U S WEST Communications, Inc.	\$ 164,010.00						
B363	D			10.00	73,938	OPCSE-Galloway Consortium	\$ 26,515.00						
B364	D			10.00	1,582,997	ACC-PCS, Inc.	\$ 3,801,000.00						
B365	D			10.00	376,774	AT&T Wireless PCS Inc.	\$ 166,000.00						
B366	D			10.00	312,828	AT&T Wireless PCS Inc.	\$ 702,000.00						
B367	D			10.00	184,825	Western PCS BTA I Corporation	\$ 20,001.00						
B368	D			10.00	1,475,053	SprintCom, Inc.	\$ 2,887,000.00						
B369	D			10.00	196,855	U S WEST Communications, Inc.	\$ 141,000.00						
B370	D			10.00	373,638	Conestoga Wireless Company	\$ 277,000.00						
B371	D			10.00	276,618	AT&T Wireless PCS Inc.	\$ 102,000.00						
B372	D			10.00	589,751	AT&T Wireless PCS Inc.	\$ 835,000.00						
B373	D			10.00	104,034	AT&T Wireless PCS Inc.	\$ 62,000.00						
B374	D			10.00	1,256,479	SprintCom, Inc.	\$ 2,129,000.00						
B375	D			10.00	48,975	U S WEST Communications, Inc.	\$ 10,000.00						
B376	D			10.00	664,313	SprintCom, Inc.	\$ 2,577,001.00						
B377	D			10.00	79,456	SprintCom, Inc.	\$ 106,001.00						
B378	D	P0		10.00	255,927	U S WEST Communications, Inc.	\$ 1,059,000.00						
B378	D	P1		7.00	21,610			7	21,610	04/28/02	NOBUILDOUT	2,954	151,270
B379	D			10.00	1,156,164	OPCSE-Galloway Consortium	\$ 701,015.00						
B380	D			10.00	456,277	SprintCom, Inc.	\$ 1,569,001.00						
B381	D			10.00	59,027	U S WEST Communications, Inc.	\$ 53,001.00						
B382	D			10.00	216,840	SprintCom, Inc.	\$ 181,000.00						
B383	D			10.00	104,820	Western PCS BTA I Corporation	\$ 30,001.00						
B384	D			10.00	128,692	SprintCom, Inc.	\$ 297,000.00						
B385	D			10.00	100,399	Central Oregon Cellular, Inc.	\$ 152,000.00						
B386	D			10.00	80,793	SprintCom, Inc.	\$ 44,000.00						
B387	D			10.00	98,389	ALLTEL Mobile Communications, Inc.	\$ 80,243.00						
B388	D			10.00	100,394	Devon Mobile Communications, L.P.	\$ 338,000.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

BLOCK	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B389	D			10.00	2,001,001	AT&T Wireless PCS Inc.	\$ 5,361,000.00						
B390	D			10.00	638,851	Century Personal Access Network, Inc.	\$ 439,000.00						
B391	D	P0		10.00	287,947	AT&T Wireless PCS Inc.	\$ 837,000.00						
B391	D	P1		7.00	31,712			7	31,712	04/28/02	NOBUILDOUT	2,954	221,984
B392	D			10.00	140,919	AT&T Wireless PCS Inc.	\$ 293,000.00						
B393	D			10.00	196,619	AT&T Wireless PCS Inc.	\$ 39,000.00						
B394	D			10.00	2,873,395	OPCSE-Galloway Consortium	\$ 2,500,015.00						
B395	D			10.00	528,436	AT&T Wireless PCS Inc.	\$ 1,499,000.00						
B396	D			10.00	144,345	Western PCS BTA I Corporation	\$ 179,260.00						
B397	D			10.00	401,762	Entertainment Unlimited, Inc.	\$ 1,348,000.00						
B398	D			10.00	186,608	OPCSE-Galloway Consortium	\$ 50,015.00						
B399	D			10.00	1,629,189	AT&T Wireless PCS Inc.	\$ 4,605,000.00						
B400	D			10.00	161,869	Western PCS BTA I Corporation	\$ 272,729.00						
B401	D			10.00	1,856,320	Western PCS BTA I Corporation	\$ 2,679,170.00						
B402	D			10.00	2,813,833	AT&T Wireless PCS Inc.	\$ 8,635,000.00						
B403	D			10.00	139,038	SprintCom, Inc.	\$ 127,000.00						
B404	D			10.00	7,237,170	AT&T Wireless PCS Inc.	\$ 13,655,000.00						
B405	D			10.00	246,681	Entertainment Unlimited, Inc.	\$ 838,000.00						
B406	D			10.00	399,347	Entertainment Unlimited, Inc.	\$ 2,210,000.00						
B407	D			10.00	218,804	SprintCom, Inc.	\$ 561,001.00						
B408	D			10.00	622,168	SprintCom, Inc.	\$ 6,995,000.00						
B409	D			10.00	57,510	MVI Corp.	\$ 22,001.00			10/24/02	NOBUILDOUT	2,954	575,100
B410	D			10.00	754,491	SprintCom, Inc.	\$ 13,622,000.00						
B411	D	P0		10.00	101,597	U S WEST Communications, Inc.	\$ 179,000.00						
B411	D	P1		10.00	8,431			10	8,431	06/26/02	NOBUILDOUT	2,954	84,310
B412	D			10.00	672,498	AT&T Wireless PCS Inc.	\$ 354,000.00						
B413	D			10.00	3,232,492	AT&T Wireless PCS Inc.	\$ 6,490,000.00						
B414	D			10.00	92,562	AT&T Wireless PCS Inc.	\$ 9,000.00						
B415	D			10.00	71,409	ALLTEL Mobile Communications, Inc.	\$ 312,049.00						
B416	D			10.00	120,293	SprintCom, Inc.	\$ 109,000.00						
B417	D			10.00	112,646	AT&T Wireless PCS Inc.	\$ 136,000.00						
B418	D			10.00	178,371	ALLTEL Mobile Communications, Inc.	\$ 155,102.00						
B419	D			10.00	605,690	BellSouth Wireless, Inc.	\$ 2,019,000.00						
B420	D			10.00	117,755	U S WEST Communications, Inc.	\$ 11,000.00						
B421	D			10.00	344,417	McLeod, Inc.	\$ 717,000.00						
B422	D			10.00	244,947	Western PCS BTA I Corporation	\$ 463,001.00						
B423	D			10.00	124,982	Powertel, Inc.	\$ 56,101.00						
B424	D			10.00	354,754	SprintCom, Inc.	\$ 982,000.00						
B425	D			10.00	741,519	Touch America, Inc.	\$ 1,673,000.00						
B426	D			10.00	267,461	SprintCom, Inc.	\$ 550,333.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B427	D			10.00	680,014	ACC-PCS, Inc.	\$ 328,000.00						
B428	D			10.00	660,151	Southwestern Bell Mobile Systems, Inc.	\$ 1,471,741.00						
B429	D			10.00	135,758	Comcast PCS Communications, Inc.	\$ 74,429.00						
B430	D			10.00	111,524	SprintCom, Inc.	\$ 689,001.00						
B431	D			10.00	132,008	AT&T Wireless PCS Inc.	\$ 42,000.00						
B432	D			10.00	214,617	MVI Corp.	\$ 421,000.00						
B433	D			10.00	79,601	Triad Cellular Corporation	\$ 146,000.00						
B434	D			10.00	604,152	AT&T Wireless PCS Inc.	\$ 1,859,000.00						
B435	D			10.00	138,687	Northcoast Operating Co., Inc.	\$ 81,011.00						
B436	D			10.00	157,267	SprintCom, Inc.	\$ 374,000.00						
B437	D			10.00	191,962	MFRI Inc.	\$ 59,000.00						
B438	D			10.00	780,716	AT&T Wireless PCS Inc.	\$ 264,000.00						
B439	D			10.00	502,539	SprintCom, Inc.	\$ 16,005,000.00						
B440	D			10.00	2,628,386	SprintCom, Inc.	\$ 46,560,000.00						
B441	D			10.00	354,952	Southwestern Bell Mobile Systems, Inc.	\$ 496,097.00						
B442	D			10.00	245,348	AT&T Wireless PCS Inc.	\$ 72,000.00						
B443	D			10.00	270,420	ALLTEL Mobile Communications, Inc.	\$ 159,188.00						
B444	D			10.00	789,378	OPCSE-Galloway Consortium	\$ 370,428.00						
B445	D			10.00	258,820	Mercury Mobility, L. L. C.	\$ 338,007.00						
B446	D			10.00	247,138	Century Personal Access Network, Inc.	\$ 473,100.00						
B447	D			10.00	843,746	U S WEST Communications, Inc.	\$ 1,410,000.00						
B448	D			10.00	949,928	ALLTEL Mobile Communications, Inc.	\$ 2,154,082.00						
B449	D			10.00	323,239	SprintCom, Inc.	\$ 600,000.00						
B450	D			10.00	254,017	ALLTEL Mobile Communications, Inc.	\$ 561,071.00						
B451	D			10.00	162,397	AT&T Wireless PCS Inc.	\$ 550,000.00						
B452	D			10.00	313,226	Southwestern Bell Mobile Systems, Inc.	\$ 529,103.00						
B453	D			10.00	299,896	AT&T Wireless PCS Inc.	\$ 131,000.00						
B454	D			10.00	166,053	SprintCom, Inc.	\$ 2,130,000.00						
B455	D			10.00	61,475	SprintCom, Inc.	\$ 243,000.00						
B456	D			10.00	165,277	SprintCom, Inc.	\$ 255,000.00						
B457	D			10.00	94,897	AT&T Wireless PCS Inc.	\$ 19,000.00						
B458	D			10.00	497,482	AT&T Wireless PCS Inc.	\$ 664,000.00						
B459	D			10.00	303,669	Southwestern Bell Mobile Systems, Inc.	\$ 660,066.00						
B460	D			10.00	174,458	Western PCS BTA I Corporation	\$ 172,300.00						
B461	D			10.00	4,769,729	Rivgam Communicators, L.L.C.	\$ 6,820,000.00						
B462	D			10.00	266,449	McLeod, Inc.	\$ 359,000.00						
B463	D			10.00	301,747	AT&T Wireless PCS Inc.	\$ 63,000.00						
B464	D			10.00	75,962	Western PCS BTA I Corporation	\$ 93,194.00						
B465	D			10.00	168,002	ACC-PCS, Inc.	\$ 28,000.00						
B466	D			10.00	244,048	AT&T Wireless PCS Inc.	\$ 180,000.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

BLOCK	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B467	D			10.00	113,264	SprintCom, Inc.	\$ 2,017,000.00						
B468	D			10.00	213,481	AT&T Wireless PCS Inc.	\$ 218,000.00						
B469	D			10.00	1,167,094	AT&T Wireless PCS Inc.	\$ 1,730,000.00						
B470	D			10.00	77,090	Western PCS BTA I Corporation	\$ 29,001.00						
B471	D			10.00	211,493	AT&T Wireless PCS Inc.	\$ 22,000.00						
B472	D			10.00	656,056	Western PCS BTA I Corporation	\$ 746,868.00						
B473	D			10.00	222,462	Triad Cellular Corporation	\$ 397,000.00						
B474	D			10.00	175,453	SprintCom, Inc.	\$ 172,000.00						
B475	D			10.00	164,514	Conestoga Wireless Company	\$ 66,000.00						
B476	D			10.00	25,498	North Dakota PCS Alliance, A Joint Venture	\$ 45,000.00						
B477	D	P0		10.00	126,335	U S WEST Communications, Inc.	\$ 91,100.00						
B477	D	P1		10.00	126,335			7	126,335	04/28/02	NOBUILDOUT	2,954	884,345
B478	D			10.00	329,281	SprintCom, Inc.	\$ 353,000.00						
B479	D			10.00	162,105	Shenandoah Mobile Company	\$ 349,000.00						
B480	D			10.00	750,963	OPCSE-Galloway Consortium	\$ 504,015.00						
B481	D			10.00	96,475	Triad Cellular Corporation	\$ 161,000.00						
B482	D			10.00	255,943	AT&T Wireless PCS Inc.	\$ 413,000.00						
B483	D			10.00	473,043	Comcast PCS Communications, Inc.	\$ 525,000.00						
B484	D			10.00	482,671	SprintCom, Inc.	\$ 602,000.00						
B485	D			10.00	139,149	AT&T Wireless PCS Inc.	\$ 61,000.00						
B486	D			10.00	160,026	U S WEST Communications, Inc.	\$ 55,145.00						
B487	D			10.00	188,410	SprintCom, Inc.	\$ 168,000.00						
B488	D			10.00	2,674,278	SprintCom, Inc.	\$ 31,002,000.00						
B489	D			10.00	1,134,332	Puerto Rico Telephone Company	\$ 15,154,000.00						
B490	D			10.00	154,805	IT&E Overseas, Inc.	\$ 165,075.00						
B491	D			10.00	108,612	SprintCom, Inc.	\$ 841,000.00						
B492	D			10.00	57,291	AT&T Wireless PCS Inc.	\$ 25,000.00			04/29/02	NOBUILDOUT	4,236	572,910
B493	D			10.00	69,221	IT&E Overseas, Inc.	\$ 155,017.00						
B001	E			10.00	86,789	AT&T Wireless PCS Inc.	\$ 60,000.00						
B002	E			10.00	88,178	U S WEST Communications, Inc.	\$ 70,000.00						
B003	E			10.00	261,706	Triad Cellular Corporation	\$ 450,000.00						
B004	E			10.00	55,053	AT&T Wireless PCS Inc.	\$ 31,000.00						
B005	E			10.00	98,890	OPCSE-Galloway Consortium	\$ 36,015.00						
B006	E			10.00	355,474	BellSouth Wireless, Inc.	\$ 4,772,000.00						
B007	E			10.00	1,047,324	ACC-PCS, Inc.	\$ 3,948,000.00						
B008	E	P0		10.00	831,850	U S WEST Communications, Inc.	\$ 1,750,000.00						
B008	E	P1		8.23	P1+P2=P3					06/26/02	NOBUILDOUT		
B008	E	P2		8.23	P1+P2=P3					03/31/03	NOBUILDOUT		
B008	E	P3		8.23	94,253			8	94,253			2,954	775,702
B009	E			10.00	270,223	BellSouth Wireless, Inc.	\$ 1,246,000.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

BLOCK	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B010	E			10.00	740,395	AT&T Wireless PCS Inc.	\$ 1,933,000.00						
B011	E			10.00	67,759	Lite-Wave Communications, L.L.C.	\$ 13,000.00						
B012	E			10.00	224,714	AT&T Wireless PCS Inc.	\$ 46,000.00						
B013	E			10.00	410,323	Triad Cellular Corporation	\$ 1,464,000.00						
B014	E			10.00	456,392	MVI Corp.	\$ 2,283,001.00						
B015	E			10.00	181,866	AT&T Wireless PCS Inc.	\$ 180,000.00						
B016	E			10.00	347,350	ALLTEL Mobile Communications, Inc.	\$ 1,362,039.00						
B017	E			10.00	163,006	ALLTEL Mobile Communications, Inc.	\$ 49,111.00						
B018	E			10.00	452,355	MVI Corp.	\$ 735,001.00						
B019	E			10.00	90,772	AT&T Wireless PCS Inc.	\$ 100,000.00						
B020	E			10.00	608,250	ALLTEL Mobile Communications, Inc.	\$ 930,000.00						
B021	E			10.00	102,728	Western PCS BTA I Corporation	\$ 91,001.00						
B022	E			10.00	207,668	ALLTEL Mobile Communications, Inc.	\$ 481,061.00						
B023	E			10.00	130,742	SprintCom, Inc.	\$ 86,000.00						
B024	E			10.00	4,407,446	ALLTEL Mobile Communications, Inc.	\$ 34,030,079.00						
B025	E			10.00	354,878	Comcast PCS Communications, Inc.	\$ 641,000.00						
B026	E			10.00	590,218	SprintCom, Inc.	\$ 14,786,366.00						
B027	E			10.00	1,325,029	AT&T Wireless PCS Inc.	\$ 2,536,000.00						
B028	E			10.00	661,645	Rivgam Communicators, L.L.C.	\$ 3,730,435.00						
B029	E			10.00	2,606,003	Rivgam Communicators, L.L.C.	\$ 4,994,000.00						
B030	E			10.00	323,784	OPCSE-Galloway Consortium	\$ 135,015.00						
B031	E			10.00	48,996	AT&T Wireless PCS Inc.	\$ 99,000.00						
B032	E			10.00	705,760	AT&T Wireless PCS Inc.	\$ 3,685,000.00						
B033	E			10.00	240,527	Message Express Company	\$ 253,307.00						
B034	E			10.00	467,106	AT&T Wireless PCS Inc.	\$ 575,000.00						
B035	E			10.00	166,963	SprintCom, Inc.	\$ 171,000.00						
B036	E			10.00	166,814	Whidbey Telephone Company	\$ 272,000.00						
B037	E			10.00	66,449	MVI Corp.	\$ 50,001.00						
B038	E	P0		10.00	153,558	U S WEST Communications, Inc.	\$ 122,000.00						
B038	E	P1		7.00	19,182			7	19,182	06/26/02	NOBUILDOUT	2,954	134,274
B039	E			10.00	162,453	AT&T Wireless PCS Inc.	\$ 260,000.00						
B040	E			10.00	35,762	AT&T Wireless PCS Inc.	\$ 62,000.00						
B041	E			10.00	312,138	Western PCS BTA I Corporation	\$ 529,320.00						
B042	E			10.00	396,754	ALLTEL Mobile Communications, Inc.	\$ 5,099,077.00						
B043	E			10.00	345,959	AT&T Wireless PCS Inc.	\$ 75,000.00						
B044	E			10.00	1,319,776	AT&T Wireless PCS Inc.	\$ 4,657,000.00						
B045	E			10.00	129,398	Western PCS BTA I Corporation	\$ 243,001.00						
B046	E			10.00	238,092	McLeod, Inc.	\$ 274,000.00						
B047	E			10.00	240,734	OPCSE-Galloway Consortium	\$ 442,015.00						
B048	E			10.00	168,756	SprintCom, Inc.	\$ 208,000.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
	B049	E		10.00	72,026	ALLTEL Mobile Communications, Inc.	\$ 41,243.00						
	B050	E	P0	10.00	584,008	U S WEST Communications, Inc.	\$ 1,062,000.00						
	B050	E	P1	7.00	6,708			7	6,708	06/26/02	NOBUILDOUT	2,954	46,956
	B051	E		10.00	4,391,344	OPCSE-Galloway Consortium	\$ 7,515,015.00						
	B052	E		10.00	254,561	Powertel, Inc.	\$ 389,000.00						
	B053	E		10.00	83,525	Western PCS BTA I Corporation	\$ 168,001.00						
	B054	E		10.00	97,550	MVI Corp.	\$ 49,501.00						
	B055	E		10.00	231,969	U S WEST Communications, Inc.	\$ 395,000.00						
	B056	E		10.00	355,309	AT&T Wireless PCS Inc.	\$ 257,000.00						
	B057	E		10.00	63,037	AT&T Wireless PCS Inc.	\$ 192,000.00						
	B058	E		10.00	78,415	SprintCom, Inc.	\$ 2,269,333.00						
	B059	E		10.00	184,885	AT&T Wireless PCS Inc.	\$ 136,000.00						
	B060	E		10.00	1,213,535	FCC	\$ -						
	B061	E		10.00	136,489	McLeod, Inc.	\$ 169,000.00						
	B062	E		10.00	130,800	ALLTEL Mobile Communications, Inc.	\$ 67,747.00						
	B063	E		10.00	406,799	AT&T Wireless PCS Inc.	\$ 1,421,000.00						
	B064	E		10.00	67,256	Touch America, Inc.	\$ 194,000.00						
	B065	E		10.00	534,503	Western PCS BTA I Corporation	\$ 472,001.00						
	B066	E		10.00	189,401	Western PCS BTA I Corporation	\$ 38,001.00						
	B067	E		10.00	214,191	Western PCS BTA I Corporation	\$ 44,001.00						
	B068	E		10.00	51,658	PVT Wireless Limited Partnership	\$ 128,000.00						
	B069	E		10.00	146,211	RT Communications, Inc.	\$ 542,000.00						
	B070	E		10.00	289,492	McLeod, Inc.	\$ 1,374,000.00						
	B071	E		10.00	230,197	McLeod, Inc.	\$ 305,000.00						
	B072	E		10.00	680,311	ALLTEL Mobile Communications, Inc.	\$ 3,573,097.00						
	B073	E		10.00	486,731	SprintCom, Inc.	\$ 1,294,000.00						
	B074	E		10.00	2,078,083	ALLTEL Mobile Communications, Inc.	\$ 5,514,095.00						
	B075	E		10.00	228,045	OPCSE-Galloway Consortium	\$ 306,015.00						
	B076	E		10.00	568,186	ALLTEL Mobile Communications, Inc.	\$ 989,097.00						
	B077	E		10.00	113,621	RT Communications, Inc.	\$ 359,000.00						
	B078	E		10.00	9,098,316	SprintCom, Inc.	\$ 62,741,000.00						
	B079	E		10.00	229,624	AT&T Wireless PCS Inc.	\$ 178,000.00						
	B080	E		10.00	101,040	SprintCom, Inc.	\$ 85,000.00						
	B081	E		10.00	2,170,768	Cincinnati Bell Telephone	\$ 9,500,000.00						
	B082	E		10.00	190,767	Virginia PCS Alliance Consortium 2	\$ 38,000.00						
	B083	E		10.00	265,119	Powertel, Inc.	\$ 178,000.00						
	B084	E		10.00	2,993,610	Western PCS BTA I Corporation	\$ 8,634,001.00						
	B085	E		10.00	104,015	ALLTEL Mobile Communications, Inc.	\$ 134,097.00						
	B086	E		10.00	147,772	McLeod, Inc.	\$ 181,000.00						
	B087	E		10.00	75,318	Western PCS BTA I Corporation	\$ 121,001.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B088	E			10.00	61,512	AT&T Wireless PCS Inc.	\$ 37,000.00						
B089	E			10.00	537,484	U S WEST Communications, Inc.	\$ 1,126,000.00						
B090	E			10.00	216,756	Western PCS BTA I Corporation	\$ 40,001.00						
B091	E			10.00	668,081	ALLTEL Mobile Communications, Inc.	\$ 3,054,093.00						
B092	E			10.00	364,510	SprintCom, Inc.	\$ 17,470,366.00						
B093	E			10.00	155,281	OPCSE-Galloway Consortium	\$ 2,007.00						
B094	E			10.00	174,971	BellSouth Wireless, Inc.	\$ 2,049,000.00						
B095	E			10.00	1,692,240	SprintCom, Inc.	\$ 2,693,000.00						
B096	E			10.00	138,089	Powertel, Inc.	\$ 1,808,101.00						
B097	E			10.00	83,916	U S WEST Communications, Inc.	\$ 20,000.00						
B098	E			10.00	144,931	Powertel, Inc.	\$ 52,101.00						
B099	E			10.00	548,161	AT&T Wireless PCS Inc.	\$ 740,000.00						
B100	E			10.00	163,356	OPCSE-Galloway Consortium	\$ 81,015.00						
B101	E			10.00	5,571,828	AT&T Wireless PCS Inc.	\$ 27,060,000.00						
B102	E			10.00	120,031	ALLTEL Mobile Communications, Inc.	\$ 252,097.00						
B103	E			10.00	110,292	SprintCom, Inc.	\$ 91,000.00						
B104	E			10.00	171,012	Western PCS BTA I Corporation	\$ 1,079,001.00						
B105	E			10.00	429,924	McLeod, Inc.	\$ 2,996,000.00						
B106	E			10.00	1,219,933	Western PCS BTA I Corporation	\$ 1,590,001.00						
B107	E			10.00	493,175	AT&T Wireless PCS Inc.	\$ 540,000.00						
B108	E			10.00	145,867	AT&T Wireless PCS Inc.	\$ 230,000.00						
B109	E			10.00	248,778	McLeod, Inc.	\$ 205,000.00						
B110	E	P0		10.00	2,712,488	U S WEST Communications, Inc.	\$ 5,300,000.00						
B110	E	P1		9.44	26,586			9	26,586	06/26/02	NOBUILDOUT	2,954	250,972
B111	E			10.00	804,543	AT&T Wireless PCS Inc.	\$ 8,254,000.00						
B112	E			10.00	4,965,944	OPCSE-Galloway Consortium	\$ 3,856,078.00						
B113	E			10.00	35,772	Consolidated Telephone Cooperative	\$ 88,000.00						
B114	E			10.00	42,837	Pioneer Telephone Association, Inc.	\$ 30,007.00						
B115	E			10.00	223,605	BellSouth Wireless, Inc.	\$ 2,580,000.00						
B116	E			10.00	313,107	Comcast PCS Communications, Inc.	\$ 145,116.00						
B117	E			10.00	129,314	AT&T Wireless PCS Inc.	\$ 36,000.00						
B118	E			10.00	179,707	MVI Corp.	\$ 290,001.00						
B119	E			10.00	413,956	MVI Corp.	\$ 565,001.00						
B120	E			10.00	120,330	BellSouth Wireless, Inc.	\$ 351,000.00						
B121	E			10.00	117,380	AT&T Wireless PCS Inc.	\$ 179,000.00						
B122	E			10.00	112,075	Western PCS BTA I Corporation	\$ 100,001.00						
B123	E			10.00	195,408	MVI Corp.	\$ 166,501.00						
B124	E			10.00	142,361	AT&T Wireless PCS Inc.	\$ 88,000.00						
B125	E			10.00	105,766	OPCSE-Galloway Consortium	\$ 77,000.00						
B126	E			10.00	268,804	OPCSE-Galloway Consortium	\$ 552,015.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B127	E			10.00	313,154	AT&T Wireless PCS Inc.	\$ 32,000.00						
B128	E			10.00	748,239	SprintCom, Inc.	\$ 1,719,000.00						
B129	E			10.00	47,830	AT&T Wireless PCS Inc.	\$ 59,000.00						
B130	E			10.00	85,696	AT&T Wireless PCS Inc.	\$ 109,000.00						
B131	E			10.00	280,843	Western PCS BTA I Corporation	\$ 313,001.00						
B132	E			10.00	47,423	MVI Corp.	\$ 19,001.00						
B133	E			10.00	322,959	U S WEST Communications, Inc.	\$ 508,000.00						
B134	E			10.00	154,025	AT&T Wireless PCS Inc.	\$ 33,000.00						
B135	E			10.00	523,510	Powertel, Inc.	\$ 201,000.00						
B136	E			10.00	97,458	MVI Corp.	\$ 400,001.00						
B137	E			10.00	56,598	AT&T Wireless PCS Inc.	\$ 34,000.00						
B138	E			10.00	316,537	Western PCS BTA I Corporation	\$ 556,000.00						
B139	E			10.00	208,285	Triad Cellular Corporation	\$ 293,001.00						
B140	E			10.00	325,364	Western PCS BTA I Corporation	\$ 266,001.00						
B141	E			10.00	663,154	ALLTEL Mobile Communications, Inc.	\$ 1,137,093.00						
B142	E			10.00	131,271	Touch America, Inc.	\$ 156,000.00						
B143	E			10.00	152,886	OPCSE-Galloway Consortium	\$ 32,015.00						
B144	E			10.00	116,320	Western PCS BTA I Corporation	\$ 90,001.00						
B145	E			10.00	507,828	OPCSE-Galloway Consortium	\$ 202,015.00						
B146	E			10.00	191,015	AT&T Wireless PCS Inc.	\$ 815,000.00						
B147	E			10.00	259,343	ALLTEL Mobile Communications, Inc.	\$ 1,000,039.00						
B148	E			10.00	97,296	MVI Corp.	\$ 135,001.00						
B149	E			10.00	251,494	U S WEST Communications, Inc.	\$ 430,000.00						
B150	E			10.00	128,475	McLeod, Inc.	\$ 190,000.00						
B151	E			10.00	629,301	BellSouth Wireless, Inc.	\$ 8,626,000.00						
B152	E			10.00	432,373	AT&T Wireless PCS Inc.	\$ 4,433,000.00						
B153	E			10.00	326,881	ALLTEL Mobile Communications, Inc.	\$ 312,227.00						
B154	E			10.00	211,099	BellSouth Wireless, Inc.	\$ 2,243,000.00						
B155	E			10.00	715,480	FCC	\$ -						
B156	E			10.00	165,316	Virginia PCS Alliance Consortium 2	\$ 110,000.00						
B157	E			10.00	922,516	AT&T Wireless PCS Inc.	\$ 1,172,000.00						
B158	E			10.00	191,899	BellSouth Wireless, Inc.	\$ 824,555.00						
B159	E			10.00	320,199	BellSouth Wireless, Inc.	\$ 4,159,000.00						
B160	E			10.00	246,560	ALLTEL Mobile Communications, Inc.	\$ 197,000.00						
B161	E			10.00	74,571	OPCSE-Galloway Consortium	\$ 63,015.00						
B162	E	P0		10.00	144,221	U S WEST Communications, Inc.	\$ 172,000.00				06/26/02 NOBUILDOUT	2,954	1,442,210
B162	E	P1		10.00	144,221						06/26/02 NOBUILDOUT		
B163	E			10.00	73,686	Pioneer Telephone Association, Inc.	\$ 72,022.00						
B164	E			10.00	124,345	ACC-PCS, Inc.	\$ 257,000.00						
B165	E			10.00	241,014	ALLTEL Mobile Communications, Inc.	\$ 200,000.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B166	E			10.00	203,087	FCC	\$ -						
B167	E			10.00	149,977	Western PCS BTA I Corporation	\$ 215,001.00						
B168	E			10.00	246,119	U S WEST Communications, Inc.	\$ 457,010.00						
B169	E			10.00	1,079,340	OPCSE-Galloway Consortium	\$ 860,015.00						
B170	E			10.00	38,989	Pioneer Telephone Association, Inc.	\$ 18,018.00						
B171	E			10.00	164,305	Western PCS BTA I Corporation	\$ 341,000.00						
B172	E			10.00	180,936	AT&T Wireless PCS Inc.	\$ 178,000.00						
B173	E			10.00	355,786	MVI Corp.	\$ 582,001.00						
B174	E			10.00	1,454,066	ALLTEL Mobile Communications, Inc.	\$ 6,827,187.00						
B175	E			10.00	209,666	BellSouth Wireless, Inc.	\$ 1,793,555.00						
B176	E			10.00	247,820	ALLTEL Mobile Communications, Inc.	\$ 251,000.00						
B177	E			10.00	914,473	ALLTEL Mobile Communications, Inc.	\$ 4,003,097.00						
B178	E			10.00	76,229	ALLTEL Mobile Communications, Inc.	\$ 157,021.00						
B179	E			10.00	366,345	Virginia PCS Alliance Consortium 2	\$ 1,261,000.00						
B180	E			10.00	111,113	Radiofone PCS, L.L.C.	\$ 145,000.00						
B181	E			10.00	698,708	Comcast PCS Communications, Inc.	\$ 981,181.00						
B182	E			10.00	92,314	ALLTEL Mobile Communications, Inc.	\$ 61,231.00						
B183	E			10.00	152,235	Virginia PCS Alliance Consortium 1	\$ 601,000.00						
B184	E			10.00	1,148,618	AT&T Wireless PCS Inc.	\$ 2,361,000.00						
B185	E			10.00	73,440	Western PCS BTA I Corporation	\$ 144,001.00						
B186	E			10.00	182,113	BellSouth Wireless, Inc.	\$ 630,000.00						
B187	E			10.00	60,018	Pioneer Telephone Association, Inc.	\$ 57,026.00						
B188	E			10.00	70,150	Touch America, Inc.	\$ 114,000.00						
B189	E			10.00	341,851	ALLTEL Mobile Communications, Inc.	\$ 391,000.00						
B190	E			10.00	148,677	SprintCom, Inc.	\$ 242,333.00						
B191	E			10.00	55,511	Mercury PCS II, LLC	\$ 73,000.00						
B192	E			10.00	876,156	SprintCom, Inc.	\$ 6,443,000.00						
B193	E			10.00	138,969	ALLTEL Mobile Communications, Inc.	\$ 194,231.00						
B194	E			10.00	47,063	MVI Corp.	\$ 14,501.00			10/24/02 NOBUILDOUT		2,954	470,630
B195	E			10.00	271,365	BellSouth Wireless, Inc.	\$ 1,301,000.00						
B196	E			10.00	5,045,022	AT&T Wireless PCS Inc.	\$ 9,835,000.00						
B197	E			10.00	368,924	SprintCom, Inc.	\$ 482,000.00						
B198	E			10.00	509,873	AT&T Wireless PCS Inc.	\$ 834,000.00						
B199	E			10.00	53,386	FCC	\$ -						
B200	E			10.00	128,235	OPCSE-Galloway Consortium	\$ 64,015.00						
B201	E			10.00	246,737	Northcoast Operating Co., Inc.	\$ 279,011.00						
B202	E			10.00	223,017	U S WEST Communications, Inc.	\$ 275,000.00						
B203	E			10.00	89,605	AT&T Wireless PCS Inc.	\$ 10,000.00						
B204	E			10.00	1,552,963	OPCSE-Galloway Consortium	\$ 2,015,084.00						
B205	E			10.00	131,676	McLeod, Inc.	\$ 493,000.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

BLOCK	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B206	E			10.00	45,698	MVI Corp.	\$ 50,001.00			10/24/02	NOBUILDOUT	2,954	456,980
B207	E			10.00	32,049	MVI Corp.	\$ 23,001.00			10/24/02	NOBUILDOUT	2,954	320,490
B208	E			10.00	96,501	AT&T Wireless PCS Inc.	\$ 119,000.00						
B209	E			10.00	204,949	OPCSE-Galloway Consortium	\$ 96,015.00						
B210	E			10.00	677,489	Bay Springs Telephone Company, Inc.	\$ 4,749,000.00						
B211	E			10.00	287,020	SprintCom, Inc.	\$ 191,000.00						
B212	E			10.00	1,358,825	ALLTEL Mobile Communications, Inc.	\$ 12,969,097.00						
B213	E			10.00	70,609	Western PCS BTA I Corporation	\$ 57,001.00						
B214	E			10.00	150,355	ALLTEL Mobile Communications, Inc.	\$ 171,185.00						
B215	E			10.00	183,613	OPCSE-Galloway Consortium	\$ 21,015.00						
B216	E			10.00	246,066	MVI Corp.	\$ 109,001.00						
B217	E			10.00	163,616	ALLTEL Mobile Communications, Inc.	\$ 30,010.00						
B218	E			10.00	232,621	AT&T Wireless PCS Inc.	\$ 51,000.00						
B219	E			10.00	181,062	Western PCS BTA I Corporation	\$ 96,001.00						
B220	E			10.00	247,343	ALLTEL Mobile Communications, Inc.	\$ 245,171.00						
B221	E			10.00	73,082	MVI Corp.	\$ 340,001.00						
B222	E			10.00	128,241	SprintCom, Inc.	\$ 515,000.00						
B223	E			10.00	377,288	Message Express Company	\$ 1,411,307.00						
B224	E			10.00	74,471	MVI Corp.	\$ 288,001.00						
B225	E			10.00	135,167	SprintCom, Inc.	\$ 101,000.00						
B226	E			10.00	2,049,447	AT&T Wireless PCS Inc.	\$ 5,258,000.00						
B227	E			10.00	118,041	OPCSE-Galloway Consortium	\$ 195,015.00						
B228	E			10.00	191,822	U S WEST Communications, Inc.	\$ 196,000.00						
B229	E			10.00	707,899	SprintCom, Inc.	\$ 659,000.00						
B230	E			10.00	57,351	Western PCS BTA I Corporation	\$ 12,001.00						
B231	E	P0		10.00	80,646	U S WEST Communications, Inc.	\$ 45,000.00						
B231	E	P1		7.00	71,197			7	71,197	06/26/02	NOBUILDOUT	2,954	498,379
B232	E			10.00	1,118,107	Powertel, Inc.	\$ 10,111,101.00						
B233	E			10.00	192,308	AT&T Wireless PCS Inc.	\$ 293,000.00						
B234	E			10.00	320,367	PCPCS Corporation	\$ 759,000.00						
B235	E			10.00	275,303	OPCSE-Galloway Consortium	\$ 528,015.00						
B236	E			10.00	548,154	AT&T Wireless PCS Inc.	\$ 1,067,000.00						
B237	E			10.00	69,791	SprintCom, Inc.	\$ 2,060,366.00						
B238	E			10.00	283,429	BellSouth Wireless, Inc.	\$ 3,964,000.00						
B239	E			10.00	483,924	BellSouth Wireless, Inc.	\$ 6,123,000.00						
B240	E			10.00	470,658	OPCSE-Galloway Consortium	\$ 436,015.00						
B241	E			10.00	509,246	OPCSE-Galloway Consortium	\$ 152,015.00						
B242	E			10.00	216,446	Elitel, Inc.	\$ 1,064,000.00						
B243	E			10.00	153,098	SprintCom, Inc.	\$ 124,000.00						
B244	E			10.00	249,902	Rivgam Communicators, L.L.C.	\$ 674,000.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

BLOCK	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B245	E			10.00	1,568,418	Rivgam Communicators, L.L.C.	\$ 4,846,000.00						
B246	E			10.00	83,107	Mercury PCS II, LLC	\$ 157,123.00						
B247	E			10.00	99,962	ALLTEL Mobile Communications, Inc.	\$ 42,165.00						
B248	E			10.00	180,897	AT&T Wireless PCS Inc.	\$ 394,000.00						
B249	E			10.00	179,619	GST Wireless Communications, Inc.	\$ 208,249.00			04/28/02	NOBUILDOUT	2,954	1,796,190
B250	E			10.00	123,481	Western PCS BTA I Corporation	\$ 178,083.00						
B251	E			10.00	221,126	OPCSE-Galloway Consortium	\$ 70,249.00						
B252	E			10.00	927,633	Powertel, Inc.	\$ 736,101.00						
B253	E			10.00	62,064	Triad Cellular Corporation	\$ 31,000.00						
B254	E			10.00	58,463	SprintCom, Inc.	\$ 157,000.00						
B255	E			10.00	251,414	OPCSE-Galloway Consortium	\$ 103,015.00						
B256	E			10.00	346,818	Western PCS BTA I Corporation	\$ 541,651.00						
B257	E			10.00	963,155	ALLTEL Mobile Communications, Inc.	\$ 641,147.00						
B258	E			10.00	102,720	U S WEST Communications, Inc.	\$ 34,000.00						
B259	E			10.00	37,710	SprintCom, Inc.	\$ 40,000.00						
B260	E			10.00	314,446	AT&T Wireless PCS Inc.	\$ 517,000.00						
B261	E			10.00	96,772	U S WEST Communications, Inc.	\$ 173,001.00						
B262	E			10.00	16,391,590	Rivgam Communicators, L.L.C.	\$ 31,910,000.00						
B263	E			10.00	1,486,048	Powertel, Inc.	\$ 3,862,101.00						
B264	E			10.00	409,227	Triad Cellular Corporation	\$ 2,443,000.00						
B265	E			10.00	162,058	AT&T Wireless PCS Inc.	\$ 56,000.00						
B266	E			10.00	161,946	Western PCS BTA I Corporation	\$ 866,001.00						
B267	E			10.00	54,645	AT&T Wireless PCS Inc.	\$ 62,000.00						
B268	E			10.00	623,060	AT&T Wireless PCS Inc.	\$ 600,000.00						
B269	E			10.00	114,119	BellSouth Wireless, Inc.	\$ 1,034,555.00						
B270	E			10.00	33,749	Western PCS BTA I Corporation	\$ 45,773.00						
B271	E			10.00	662,942	ALLTEL Mobile Communications, Inc.	\$ 6,445,076.00						
B272	E			10.00	682,098	NextWave Power Partners Inc.	\$ 1,416,000.00						
B273	E			10.00	46,519	Powertel, Inc.	\$ 49,000.00						
B274	E			10.00	617,057	ACC-PCS, Inc.	\$ 770,000.00						
B275	E			10.00	117,821	Mercury Mobility, L. L. C.	\$ 154,007.00						
B276	E			10.00	82,887	MVI Corp.	\$ 91,001.00						
B277	E			10.00	250,632	McLeod, Inc.	\$ 1,738,000.00						
B278	E			10.00	228,341	Western PCS BTA I Corporation	\$ 187,000.00						
B279	E			10.00	68,710	MVI Corp.	\$ 209,001.00			10/24/02	NOBUILDOUT	2,954	687,100
B280	E			10.00	108,363	OPCSE-Galloway Consortium	\$ 33,015.00						
B281	E			10.00	97,845	SprintCom, Inc.	\$ 82,000.00						
B282	E			10.00	74,496	MVI Corp.	\$ 69,001.00			10/24/02	NOBUILDOUT	2,954	744,960
B283	E			10.00	57,414	McLeod, Inc.	\$ 69,000.00						
B284	E			10.00	92,753	Western PCS BTA I Corporation	\$ 91,001.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B285	E			10.00	116,657	McLeod, Inc.	\$ 147,000.00						
B286	E			10.00	64,449	Consolidated Communications Inc.	\$ 77,000.00						
B287	E			10.00	90,366	Western PCS BTA I Corporation	\$ 113,001.00						
B288	E			10.00	256,995	U S WEST Communications, Inc.	\$ 310,000.00						
B289	E			10.00	476,230	AT&T Wireless PCS Inc.	\$ 862,000.00						
B290	E			10.00	1,553,276	ALLTEL Mobile Communications, Inc.	\$ 3,522,099.00						
B291	E			10.00	227,684	AT&T Wireless PCS Inc.	\$ 337,000.00						
B292	E			10.00	209,027	SprintCom, Inc.	\$ 1,023,000.00						
B293	E			10.00	3,955,969	OPCSE-Galloway Consortium	\$ 18,000,015.00						
B294	E			10.00	110,106	AT&T Wireless PCS Inc.	\$ 191,000.00						
B295	E			10.00	118,401	SprintCom, Inc.	\$ 144,000.00						
B296	E			10.00	120,755	Western PCS BTA I Corporation	\$ 219,001.00						
B297	E			10.00	1,849,490	Western PCS BTA I Corporation	\$ 4,116,320.00						
B298	E			10.00	3,293,598	AT&T Wireless PCS Inc.	\$ 6,646,000.00						
B299	E			10.00	118,459	North Dakota Network Co.	\$ 190,000.00						
B300	E			10.00	175,320	Touch America, Inc.	\$ 268,000.00						
B301	E			10.00	84,187	FCC	\$ -						
B302	E			10.00	663,075	AT&T Wireless PCS Inc.	\$ 3,717,000.00						
B303	E			10.00	501,498	West Coast PCS LLC	\$ 755,000.00						
B304	E			10.00	331,088	BellSouth Wireless, Inc.	\$ 1,539,000.00						
B305	E			10.00	484,647	BellSouth Wireless, Inc.	\$ 6,350,000.00						
B306	E			10.00	111,200	PCPCS Corporation	\$ 41,000.00						
B307	E			10.00	136,888	OPCSE-Galloway Consortium	\$ 72,115.00						
B308	E			10.00	122,656	OPCSE-Galloway Consortium	\$ 25,015.00						
B309	E			10.00	182,024	AT&T Wireless PCS Inc.	\$ 319,000.00						
B310	E			10.00	225,347	OPCSE-Galloway Consortium	\$ 44,015.00						
B311	E			10.00	164,258	AT&T Wireless PCS Inc.	\$ 534,000.00						
B312	E			10.00	196,629	ALLTEL Mobile Communications, Inc.	\$ 486,039.00						
B313	E			10.00	251,377	BellSouth Wireless, Inc.	\$ 2,580,000.00						
B314	E			10.00	1,761,799	Powertel, Inc.	\$ 3,201,101.00						
B315	E			10.00	72,775	BellSouth Wireless, Inc.	\$ 353,000.00						
B316	E			10.00	174,134	ALLTEL Mobile Communications, Inc.	\$ 141,039.00						
B317	E			10.00	94,643	AT&T Wireless PCS Inc.	\$ 31,000.00						
B318	E			10.00	1,006,201	AT&T Wireless PCS Inc.	\$ 1,089,000.00						
B319	E			10.00	368,179	AT&T Wireless PCS Inc.	\$ 287,000.00						
B320	E			10.00	1,430,273	AT&T Wireless PCS Inc.	\$ 13,139,000.00						
B321	E			10.00	19,620,902	AT&T Wireless PCS Inc.	\$ 58,800,000.00						
B322	E			10.00	38,381	Western PCS BTA I Corporation	\$ 51,166.00						
B323	E			10.00	112,342	Western PCS BTA I Corporation	\$ 201,001.00						
B324	E			10.00	1,784,356	Western PCS BTA I Corporation	\$ 5,037,001.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B325	E			10.00	86,263	Western PCS BTA I Corporation	\$ 100,311.00						
B326	E			10.00	258,916	BellSouth Wireless, Inc.	\$ 2,664,555.00						
B327	E			10.00	209,080	Western PCS BTA I Corporation	\$ 458,001.00						
B328	E			10.00	104,276	AT&T Wireless PCS Inc.	\$ 12,000.00						
B329	E			10.00	1,434,827	AT&T Wireless PCS Inc.	\$ 929,000.00						
B330	E			10.00	238,984	OPCSE-Galloway Consortium	\$ 27,015.00						
B331	E			10.00	325,360	Western PCS BTA I Corporation	\$ 637,001.00						
B332	E			10.00	991,763	McLeod, Inc.	\$ 6,366,000.00						
B333	E			10.00	109,731	AT&T Wireless PCS Inc.	\$ 55,000.00						
B334	E			10.00	151,675	BellSouth Wireless, Inc.	\$ 5,720,000.00						
B335	E			10.00	123,425	ALLTEL Mobile Communications, Inc.	\$ 208,000.00						
B336	E			10.00	1,697,906	AT&T Wireless PCS Inc.	\$ 6,503,000.00						
B337	E			10.00	124,054	McLeod, Inc.	\$ 150,000.00						
B338	E			10.00	164,630	Powertel, Inc.	\$ 16,101.00						
B339	E			10.00	232,585	Powertel, Inc.	\$ 44,000.00						
B340	E			10.00	201,086	SprintCom, Inc.	\$ 5,585,000.00						
B341	E			10.00	95,149	AT&T Wireless PCS Inc.	\$ 82,000.00						
B342	E			10.00	182,549	SprintCom, Inc.	\$ 203,000.00						
B343	E			10.00	412,153	BellSouth Wireless, Inc.	\$ 6,778,000.00						
B344	E			10.00	461,289	McLeod, Inc.	\$ 1,704,000.00						
B345	E			10.00	107,276	Lite-Wave Communications, L.L.C.	\$ 63,000.00						
B346	E			10.00	6,184,346	Rivgam Communicators, L.L.C.	\$ 12,761,000.00						
B347	E			10.00	3,462,432	Western PCS BTA I Corporation	\$ 9,777,083.00						
B348	E			10.00	154,005	ALLTEL Mobile Communications, Inc.	\$ 100,254.00						
B349	E			10.00	92,459	Southwestern Bell Mobile Systems, Inc.	\$ 120,000.00						
B350	E			10.00	2,471,759	Radiofone PCS, L.L.C.	\$ 2,606,000.00						
B351	E			10.00	134,953	ACC-PCS, Inc.	\$ 70,000.00						
B352	E			10.00	118,745	AT&T Wireless PCS Inc.	\$ 85,000.00						
B353	E			10.00	100,943	AT&T Wireless PCS Inc.	\$ 102,000.00						
B354	E			10.00	48,080	AT&T Wireless PCS Inc.	\$ 35,000.00						
B355	E			10.00	154,045	ALLTEL Mobile Communications, Inc.	\$ 32,039.00						
B356	E			10.00	90,478	Whidbey Telephone Company	\$ 89,000.00						
B357	E			10.00	521,184	Northcoast Operating Co., Inc.	\$ 222,011.00						
B358	E	P0		10.00	2,114,640	U S WEST Communications, Inc.	\$ 4,092,000.00						
B358	E	P1		7.00	100,208			7	100,208	06/26/02	NOBUILDOUT	2,954	701,456
B359	E			10.00	93,287	SprintCom, Inc.	\$ 85,000.00						
B360	E			10.00	150,336	Comcast PCS Communications, Inc.	\$ 82,000.00						
B361	E			10.00	457,899	AT&T Wireless PCS Inc.	\$ 1,021,000.00						
B362	E			10.00	167,517	Western PCS BTA I Corporation	\$ 67,001.00						
B363	E			10.00	73,938	OPCSE-Galloway Consortium	\$ 18,015.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B364	E			10.00	1,582,997	Northcoast Operating Co., Inc.	\$ 3,574,011.00						
B365	E			10.00	376,774	U S WEST Communications, Inc.	\$ 246,000.00						
B366	E	P0		10.00	312,828	MVI Corp.	\$ 744,001.00						
B366	E	P1		10.00	130,554			10	130,554	04/28/02	NOBUILDOUT	2,954	1,305,540
B367	E			10.00	184,825	OPCSE-Galloway Consortium	\$ 38,015.00						
B368	E			10.00	1,475,053	ALLTEL Mobile Communications, Inc.	\$ 2,913,095.00						
B369	E			10.00	196,855	AT&T Wireless PCS Inc.	\$ 141,000.00						
B370	E			10.00	373,638	Comcast PCS Communications, Inc.	\$ 286,000.00						
B371	E			10.00	276,618	Triad Cellular Corporation	\$ 151,000.00						
B372	E			10.00	589,751	Rivgam Communicators, L.L.C.	\$ 1,704,000.00						
B373	E			10.00	104,034	AT&T Wireless PCS Inc.	\$ 31,000.00						
B374	E			10.00	1,256,479	Western PCS BTA I Corporation	\$ 2,423,666.00						
B375	E			10.00	48,975	AT&T Wireless PCS Inc.	\$ 40,000.00						
B376	E			10.00	664,313	Devon Mobile Communications, L.P.	\$ 2,685,000.00						
B377	E			10.00	79,456	ALLTEL Mobile Communications, Inc.	\$ 117,193.00						
B378	E			10.00	255,927	McLeod, Inc.	\$ 1,009,000.00						
B379	E			10.00	1,156,164	AT&T Wireless PCS Inc.	\$ 532,000.00						
B380	E			10.00	456,277	McLeod, Inc.	\$ 1,948,000.00						
B381	E			10.00	59,027	AT&T Wireless PCS Inc.	\$ 60,000.00						
B382	E			10.00	216,840	ALLTEL Mobile Communications, Inc.	\$ 166,000.00						
B383	E			10.00	104,820	ALLTEL Mobile Communications, Inc.	\$ 21,010.00						
B384	E			10.00	128,692	ALLTEL Mobile Communications, Inc.	\$ 235,039.00						
B385	E	P0		3.00	100,399	U S WEST Communications, Inc.	\$ 127,000.00			06/19/07	VOLUNTARY	4,236	301,197
B385	E	P1		7.00	100,399					06/26/02	NOBUILDOUT	2,954	702,793
B386	E			10.00	80,793	U S WEST Communications, Inc.	\$ 50,000.00						
B387	E			10.00	98,389	Western PCS BTA I Corporation	\$ 93,000.00						
B388	E			10.00	100,394	AT&T Wireless PCS Inc.	\$ 255,000.00						
B389	E			10.00	2,001,001	West Coast PCS LLC	\$ 5,642,000.00						
B390	E			10.00	638,851	OPCSE-Galloway Consortium	\$ 250,015.00						
B391	E			10.00	287,947	U S WEST Communications, Inc.	\$ 836,000.00						
B392	E			10.00	140,919	Triad Cellular Corporation	\$ 271,000.00						
B393	E			10.00	196,619	Triad Cellular Corporation	\$ 24,000.00						
B394	E			10.00	2,873,395	Western PCS BTA I Corporation	\$ 1,736,001.00						
B395	E	P0		10.00	528,436	U S WEST Communications, Inc.	\$ 1,748,000.00						
B395	E	P1		7.23	P1+P2=P3					06/26/02	NOBUILDOUT	2,954	806,969
B395	E	P2		7.23	P1+P2=P3					06/26/02	NOBUILDOUT		
B395	E	P3		7.23	111,614			7	111,614				
B396	E			10.00	144,345	OPCSE-Galloway Consortium	\$ 71,015.00						
B397	E			10.00	401,762	AT&T Wireless PCS Inc.	\$ 1,317,000.00						
B398	E			10.00	186,608	OPCSE-Galloway Consortium	\$ 35,015.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B399	E			10.00	1,629,189	U S WEST Communications, Inc.	\$ 4,276,000.00						
B400	E			10.00	161,869	AT&T Wireless PCS Inc.	\$ 275,000.00						
B401	E			10.00	1,856,320	AT&T Wireless PCS Inc.	\$ 2,947,000.00						
B402	E			10.00	2,813,833	Rivgam Communicators, L.L.C.	\$ 8,687,000.00						
B403	E			10.00	139,038	Western PCS BTA I Corporation	\$ 146,001.00						
B404	E			10.00	7,237,170	Western PCS BTA I Corporation	\$ 10,737,005.00						
B405	E			10.00	246,681	AT&T Wireless PCS Inc.	\$ 811,000.00						
B406	E			10.00	399,347	AT&T Wireless PCS Inc.	\$ 2,214,000.00						
B407	E			10.00	218,804	U S WEST Communications, Inc.	\$ 370,000.00						
B408	E			10.00	622,168	BellSouth Wireless, Inc.	\$ 6,360,555.00						
B409	E			10.00	57,510	MVI Corp.	\$ 27,001.00			10/24/02 NOBUILDOUT		2,954	575,100
B410	E			10.00	754,491	BellSouth Wireless, Inc.	\$ 11,552,000.00						
B411	E			10.00	101,597	AT&T Wireless PCS Inc.	\$ 100,000.00						
B412	E			10.00	672,498	AT&T Wireless PCS Inc.	\$ 347,000.00						
B413	E			10.00	3,232,492	Western PCS BTA I Corporation	\$ 8,500,000.00						
B414	E			10.00	92,562	ALLTEL Mobile Communications, Inc.	\$ 8,000.00						
B415	E			10.00	71,409	BellSouth Wireless, Inc.	\$ 321,000.00						
B416	E			10.00	120,293	Western PCS BTA I Corporation	\$ 132,001.00						
B417	E			10.00	112,646	MVI Corp.	\$ 149,001.00						
B418	E			10.00	178,371	AT&T Wireless PCS Inc.	\$ 135,000.00						
B419	E			10.00	605,690	AT&T Wireless PCS Inc.	\$ 2,265,000.00						
B420	E			10.00	117,755	Western PCS BTA I Corporation	\$ 31,166.00						
B421	E			10.00	344,417	U S WEST Communications, Inc.	\$ 800,980.00						
B422	E			10.00	244,947	McLeod, Inc.	\$ 400,000.00						
B423	E			10.00	124,982	Powertel, Inc.	\$ 55,101.00						
B424	E			10.00	354,754	AT&T Wireless PCS Inc.	\$ 1,020,100.00						
B425	E			10.00	741,519	AT&T Wireless PCS Inc.	\$ 1,694,000.00						
B426	E			10.00	267,461	McLeod, Inc.	\$ 567,000.00						
B427	E			10.00	680,014	NextWave Power Partners Inc.	\$ 411,000.00						
B428	E			10.00	660,151	ALLTEL Mobile Communications, Inc.	\$ 1,398,142.00						
B429	E			10.00	135,758	PCSouth, Inc.	\$ 87,000.00						
B430	E			10.00	111,524	Western PCS BTA I Corporation	\$ 722,001.00						
B431	E			10.00	132,008	PCPCS Corporation	\$ 16,000.00						
B432	E			10.00	214,617	Wisconsin RSA #7 Limited Partnership	\$ 363,000.00						
B433	E			10.00	79,601	AT&T Wireless PCS Inc.	\$ 128,000.00						
B434	E			10.00	604,152	West Coast PCS LLC	\$ 2,446,000.00						
B435	E			10.00	138,687	AT&T Wireless PCS Inc.	\$ 80,000.00						
B436	E			10.00	157,267	ALLTEL Mobile Communications, Inc.	\$ 389,024.00						
B437	E			10.00	191,962	Comcast PCS Communications, Inc.	\$ 51,000.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

B L O C K	MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS
B438	E			10.00	780,716	AT&T Wireless PCS Inc.	\$ 245,000.00						
B439	E			10.00	502,539	BellSouth Wireless, Inc.	\$ 14,317,000.00						
B440	E			10.00	2,628,386	BellSouth Wireless, Inc.	\$ 40,053,000.00						
B441	E			10.00	354,952	AT&T Wireless PCS Inc.	\$ 386,000.00						
B442	E			10.00	245,348	OPCSE-Galloway Consortium	\$ 51,015.00						
B443	E			10.00	270,420	AT&T Wireless PCS Inc.	\$ 156,000.00						
B444	E			10.00	789,378	Northcoast Operating Co., Inc.	\$ 476,011.00						
B445	E			10.00	258,820	AT&T Wireless PCS Inc.	\$ 322,000.00						
B446	E			10.00	247,138	Alpine PCS, Inc.	\$ 358,000.00						
B447	E			10.00	843,746	Western PCS BTA I Corporation	\$ 1,558,001.00						
B448	E			10.00	949,928	AT&T Wireless PCS Inc.	\$ 1,948,000.00						
B449	E			10.00	323,239	PCSouth, Inc.	\$ 615,000.00						
B450	E			10.00	254,017	AT&T Wireless PCS Inc.	\$ 532,000.00						
B451	E			10.00	162,397	U S WEST Communications, Inc.	\$ 495,005.00						
B452	E			10.00	313,226	AT&T Wireless PCS Inc.	\$ 436,000.00						
B453	E			10.00	299,896	AT&T Wireless PCS Inc.	\$ 96,000.00						
B454	E			10.00	166,053	BellSouth Wireless, Inc.	\$ 2,033,000.00						
B455	E			10.00	61,475	Century Personal Access Network, Inc.	\$ 246,000.00						
B456	E			10.00	165,277	AT&T Wireless PCS Inc.	\$ 308,000.00						
B457	E			10.00	94,897	OPCSE-Galloway Consortium	\$ 1,007.00						
B458	E			10.00	497,482	Entertainment Unlimited, Inc.	\$ 608,000.00				03/17/99 NOPAY_INSTALLMENT	821	4,974,820
B459	E			10.00	303,669	AT&T Wireless PCS Inc.	\$ 529,000.00						
B460	E	P0		10.00	174,458	U S WEST Communications, Inc.	\$ 189,454.00						
B460	E	P1		7.00	152,588			7	152,588		06/26/02 NOBUILDOUT	2,954	1,068,116
B461	E			10.00	4,769,729	OPCSE-Galloway Consortium	\$ 6,071,015.00						
B462	E			10.00	266,449	AT&T Wireless PCS Inc.	\$ 371,000.00						
B463	E			10.00	301,747	AT&T Wireless PCS Inc.	\$ 30,000.00						
B464	E			10.00	75,962	Minnesota PCS Limited Partnership	\$ 94,000.00						
B465	E			10.00	168,002	OPCSE-Galloway Consortium	\$ 2,007.00						
B466	E			10.00	244,048	MVI Corp.	\$ 271,001.00						
B467	E			10.00	113,264	BellSouth Wireless, Inc.	\$ 1,813,000.00						
B468	E			10.00	213,481	Touch America, Inc.	\$ 212,000.00						
B469	E			10.00	1,167,094	Devon Mobile Communications, L.P.	\$ 1,900,000.00						
B470	E			10.00	77,090	ALLTEL Mobile Communications, Inc.	\$ 35,236.00						
B471	E			10.00	211,493	Virginia PCS Alliance Consortium 2	\$ 178,000.00						
B472	E			10.00	656,056	Mercury Mobility, L. L. C.	\$ 539,007.00						
B473	E			10.00	222,462	AT&T Wireless PCS Inc.	\$ 376,000.00						
B474	E			10.00	175,453	SprintCom, Inc.	\$ 227,000.00						
B475	E			10.00	164,514	Comcast PCS Communications, Inc.	\$ 83,000.00						

APPENDIX B-4
Auction 11 - PCS D and E BLOCKS

MARKET	K	SUB	MHZ	POPULATION	WINNING_BIDDER	NET_BID	MHZ@CANCEL	POP@CANCEL	CANCEL	CAUSE	DELAY	MHZ-POPS	
													B
B476	E		10.00	25,498	North Dakota PCS Alliance, A Joint Venture	\$ 45,000.00							
B477	E		10.00	126,335	Triad Cellular Corporation	\$ 86,000.00							
B478	E		10.00	329,281	ALLTEL Mobile Communications, Inc.	\$ 361,000.00							
B479	E		10.00	162,105	Shenandoah Mobile Company	\$ 384,000.00							
B480	E		10.00	750,963	ACC-PCS, Inc.	\$ 477,000.00							
B481	E		10.00	96,475	McLeod, Inc.	\$ 174,000.00							
B482	E		10.00	255,943	U S WEST Communications, Inc.	\$ 440,000.00							
B483	E		10.00	473,043	Denver and Ephrata Telephone and Telegraph Company	\$ 576,000.00							
B484	E		10.00	482,671	Western PCS BTA I Corporation	\$ 503,001.00							
B485	E		10.00	139,149	West Coast PCS LLC	\$ 139,000.00							
B486	E		10.00	160,026	Western PCS BTA I Corporation	\$ 65,001.00							
B487	E		10.00	188,410	SprintCom, Inc.	\$ 185,000.00							
B488	E		10.00	2,674,278	Puerto Rico Telephone Company	\$ 33,987,000.00							
B489	E		10.00	1,134,332	SprintCom, Inc.	\$ 13,259,000.00							
B490	E		10.00	154,805	Guam Telephone Authority	\$ 153,023.00							
B491	E		10.00	108,612	Vitelcom, Inc.	\$ 953,000.00							
B492	E		10.00	57,291	AT&T Wireless PCS Inc.	\$ 30,000.00			04/29/02 NOBUILDOUT		4,236	572,910	
B493	E		10.00	69,221	Guam Telephone Authority	\$ 191,191.00			04/28/02 NOBUILDOUT		4,236	692,210	
TOTALS											112,293	25,365,303	
D Block Net Bids						\$ 947,721,473.00	WEIGHTED AVERAGE DELAY (days)				2643.7809		
E Block Net Bids						\$ 927,369,196.00	2643.7809 days = 7 years, 2 months, 26 days						
											TOTAL US POPULATION	285,620,445.00	
											TOTAL D & E BLOCK MHZ-POPS	5,712,408,900	
											% MHZ-POPS DELAYED	0.0044	0.44%

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA001	B	12	16,134,166	AT&T Mobility Spectrum, LLC	\$ 884,703,000.00					
CMA002	B	12	15,620,448	Cellco Partnership d/b/a Verizon Wireless	\$ 483,981,000.00					
CMA003	B	12	8,091,720	Cellco Partnership d/b/a Verizon Wireless	\$ 892,400,000.00					
CMA004	B	12	5,036,646	AT&T Mobility Spectrum, LLC	\$ 365,481,000.00					
CMA005	B	12	4,775,452	AT&T Mobility Spectrum, LLC	\$ 202,656,000.00					
CMA006	B	12	4,279,111	AT&T Mobility Spectrum, LLC	\$ 293,309,000.00					
CMA007	B	12	4,123,740	AT&T Mobility Spectrum, LLC	\$ 250,467,000.00					
CMA008	B	12	4,182,658	AT&T Mobility Spectrum, LLC	\$ 241,363,000.00					
CMA009	B	12	5,120,721	AT&T Mobility Spectrum, LLC	\$ 131,125,000.00					
CMA010	B	12	4,393,382	AT&T Mobility Spectrum, LLC	\$ 194,492,000.00					
CMA011	B	12	2,518,470	AT&T Mobility Spectrum, LLC	\$ 128,457,000.00					
CMA012	B	12	3,876,380	Cellco Partnership d/b/a Verizon Wireless	\$ 232,503,000.00					
CMA013	B	12	2,035,968	AT&T Mobility Spectrum, LLC	\$ 76,471,000.00					
CMA014	B	12	2,512,431	AT&T Mobility Spectrum, LLC	\$ 120,249,000.00					
CMA015	B	12	2,836,298	AT&T Mobility Spectrum, LLC	\$ 166,880,000.00					
CMA016	B	12	1,863,479	AT&T Mobility Spectrum, LLC	\$ 56,872,000.00					
CMA017	B	12	3,751,674	AT&T Mobility Spectrum, LLC	\$ 248,784,000.00					
CMA018	B	12	2,813,833	AT&T Mobility Spectrum, LLC	\$ 176,977,000.00					
CMA019	B	12	2,405,327	AT&T Mobility Spectrum, LLC	\$ 55,682,000.00					
CMA020	B	12	2,343,058	AT&T Mobility Spectrum, LLC	\$ 219,074,000.00					
CMA021	B	12	1,500,741	AT&T Mobility Spectrum, LLC	\$ 111,118,000.00					
CMA022	B	12	2,265,195	AT&T Mobility Spectrum, LLC	\$ 115,094,000.00					
CMA023	B	12	1,553,843	Cellco Partnership d/b/a Verizon Wireless	\$ 35,120,000.00					
CMA024	B	12	1,627,081	AT&T Mobility Spectrum, LLC	\$ 71,232,000.00					
CMA025	B	12	1,170,111	AT&T Mobility Spectrum, LLC	\$ 10,461,000.00					
CMA026	B	12	3,072,149	AT&T Mobility Spectrum, LLC	\$ 222,649,000.00					
CMA027	B	12	1,682,585	AT&T Mobility Spectrum, LLC	\$ 107,376,000.00					
CMA028	B	12	1,474,128	AT&T Mobility Spectrum, LLC	\$ 66,058,000.00					
CMA029	B	12	1,198,637	AT&T Mobility Spectrum, LLC	\$ 27,888,000.00					
CMA030	B	12	1,789,457	AT&T Mobility Spectrum, LLC	\$ 46,451,000.00					
CMA031	B	12	1,394,666	AT&T Mobility Spectrum, LLC	\$ 23,487,000.00					
CMA032	B	12	1,148,618	AT&T Mobility Spectrum, LLC	\$ 61,162,000.00					
CMA033	B	12	1,559,975	AT&T Mobility Spectrum, LLC	\$ 54,914,000.00					
CMA034	B	12	1,037,831	Cellco Partnership d/b/a Verizon Wireless	\$ 19,135,000.00					
CMA035	B	12	1,640,558	AT&T Mobility Spectrum, LLC	\$ 77,783,000.00					
CMA036	B	12	1,106,808	Cellco Partnership d/b/a Verizon Wireless	\$ 32,608,000.00					
CMA037	B	12	968,313	AT&T Mobility Spectrum, LLC	\$ 34,096,000.00					
CMA038	B	12	962,886	AT&T Mobility Spectrum, LLC	\$ 47,402,000.00					
CMA039	B	12	1,374,649	AT&T Mobility Spectrum, LLC	\$ 55,556,000.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA040	B	12	848,153	AT&T Mobility Spectrum, LLC	\$ 14,147,000.00					
CMA041	B	12	940,795	AT&T Mobility Spectrum, LLC	\$ 25,042,000.00					
CMA042	B	12	882,567	AT&T Mobility Spectrum, LLC	\$ 34,837,000.00					
CMA043	B	12	1,041,276	AT&T Mobility Spectrum, LLC	\$ 42,352,000.00					
CMA044	B	12	844,001	AT&T Mobility Spectrum, LLC	\$ 10,925,000.00					
CMA045	B	12	1,049,422	Cellco Partnership d/b/a Verizon Wireless	\$ 92,226,000.00					
CMA046	B	12	1,231,311	AT&T Mobility Spectrum, LLC	\$ 65,269,000.00					
CMA047	B	12	1,085,874	Cellco Partnership d/b/a Verizon Wireless	\$ 57,465,000.00					
CMA048	B	12	805,133	AT&T Mobility Spectrum, LLC	\$ 11,657,000.00					
CMA049	B	12	824,008	AT&T Mobility Spectrum, LLC	\$ 29,490,000.00					
CMA050	B	12	876,156	AT&T Mobility Spectrum, LLC	\$ 11,916,000.00					
CMA051	B	12	1,122,750	AT&T Mobility Spectrum, LLC	\$ 30,733,000.00					
CMA052	B	12	694,960	AT&T Mobility Spectrum, LLC	\$ 12,398,000.00					
CMA053	B	12	650,154	AT&T Mobility Spectrum, LLC	\$ 10,736,000.00					
CMA054	B	12	631,362	AT&T Mobility Spectrum, LLC	\$ 7,020,000.00					
CMA055	B	12	750,963	AT&T Mobility Spectrum, LLC	\$ 11,858,000.00					
CMA056	B	12	671,232	AT&T Mobility Spectrum, LLC	\$ 10,832,000.00					
CMA057	B	12	841,604	AT&T Mobility Spectrum, LLC	\$ 24,336,000.00					
CMA058	B	12	740,395	AT&T Mobility Spectrum, LLC	\$ 25,572,000.00					
CMA059	B	12	865,941	AT&T Mobility Spectrum, LLC	\$ 24,745,000.00					
CMA060	B	12	1,434,033	AT&T Mobility Spectrum, LLC	\$ 87,282,000.00					
CMA061	B	12	1,009,496	Cellco Partnership d/b/a Verizon Wireless	\$ 58,748,000.00					
CMA062	B	12	750,162	AT&T Mobility Spectrum, LLC	\$ 45,356,000.00					
CMA063	B	12	608,479	AT&T Mobility Spectrum, LLC	\$ 11,806,000.00					
CMA064	B	12	812,649	AT&T Mobility Spectrum, LLC	\$ 38,441,000.00					
CMA065	B	12	673,884	AT&T Mobility Spectrum, LLC	\$ 15,744,000.00					
CMA066	B	12	482,671	Cellco Partnership d/b/a Verizon Wireless	\$ 5,468,000.00					
CMA067	B	12	744,164	AT&T Mobility Spectrum, LLC	\$ 12,861,000.00					
CMA068	B	12	507,828	AT&T Mobility Spectrum, LLC	\$ 7,399,000.00					
CMA069	B	12	650,501	AT&T Mobility Spectrum, LLC	\$ 21,284,000.00					
CMA070	B	12	615,301	AT&T Mobility Spectrum, LLC	\$ 26,178,000.00					
CMA071	B	12	969,387	Cellco Partnership d/b/a Verizon Wireless	\$ 42,085,000.00					
CMA072	B	12	1,131,184	Cellco Partnership d/b/a Verizon Wireless	\$ 26,993,000.00					
CMA073	B	12	753,197	AT&T Mobility Spectrum, LLC	\$ 20,220,000.00					
CMA074	B	12	799,407	AT&T Mobility Spectrum, LLC	\$ 14,057,000.00					
CMA075	B	12	1,159,836	AT&T Mobility Spectrum, LLC	\$ 37,045,000.00					
CMA076	B	12	534,678	AT&T Mobility Spectrum, LLC	\$ 5,936,000.00					
CMA077	B	12	843,746	AT&T Mobility Spectrum, LLC	\$ 27,041,000.00					
CMA078	B	12	509,246	AT&T Mobility Spectrum, LLC	\$ 13,031,000.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA079	B	12	576,993	AT&T Mobility Spectrum, LLC	\$ 18,346,000.00					
CMA080	B	12	602,894	AT&T Mobility Spectrum, LLC	\$ 16,010,000.00					
CMA081	B	12	679,622	AT&T Mobility Spectrum, LLC	\$ 9,321,000.00					
CMA082	B	12	700,820	AT&T Mobility Spectrum, LLC	\$ 12,524,000.00					
CMA083	B	12	540,258	AT&T Mobility Spectrum, LLC	\$ 11,046,000.00					
CMA084	B	12	509,074	AT&T Mobility Spectrum, LLC	\$ 5,547,000.00					
CMA085	B	12	480,091	AT&T Mobility Spectrum, LLC	\$ 5,446,000.00					
CMA086	B	12	646,586	AT&T Mobility Spectrum, LLC	\$ 8,124,000.00					
CMA087	B	12	406,934	AT&T Mobility Spectrum, LLC	\$ 5,711,000.00					
CMA088	B	12	476,531	AT&T Mobility Spectrum, LLC	\$ 9,612,000.00					
CMA089	B	12	512,351	AT&T Mobility Spectrum, LLC	\$ 12,123,000.00					
CMA090	B	12	549,033	AT&T Mobility Spectrum, LLC	\$ 13,409,000.00					
CMA091	B	12	2,176,135	Puerto Rico Telephone Company, Inc.	\$ 11,498,000.00					
CMA092	B	12	583,845	AT&T Mobility Spectrum, LLC	\$ 16,582,000.00					
CMA093	B	12	1,375,765	AT&T Mobility Spectrum, LLC	\$ 82,281,000.00					
CMA094	B	12	403,070	AT&T Mobility Spectrum, LLC	\$ 1,308,000.00					
CMA095	B	12	536,691	AT&T Mobility Spectrum, LLC	\$ 15,516,000.00					
CMA096	B	12	464,066	AT&T Mobility Spectrum, LLC	\$ 3,706,000.00					
CMA097	B	12	661,645	AT&T Mobility Spectrum, LLC	\$ 8,248,000.00					
CMA098	B	12	359,062	AT&T Mobility Spectrum, LLC	\$ 3,952,000.00					
CMA099	B	12	473,043	AT&T Mobility Spectrum, LLC	\$ 5,167,000.00					
CMA100	B	12	392,302	AT&T Mobility Spectrum, LLC	\$ 7,947,000.00					
CMA101	B	12	385,090	AT&T Mobility Spectrum, LLC	\$ 2,617,000.00					
CMA102	B	12	456,022	King Street Wireless, L.P.	\$ 20,292,750.00					
CMA103	B	12	347,387	AT&T Mobility Spectrum, LLC	\$ 2,777,000.00					
CMA104	B	12	489,330	AT&T Mobility Spectrum, LLC	\$ 13,064,000.00					
CMA105	B	12	470,658	AT&T Mobility Spectrum, LLC	\$ 19,682,000.00					
CMA106	B	12	440,801	AT&T Mobility Spectrum, LLC	\$ 7,131,000.00					
CMA107	B	12	563,598	AT&T Mobility Spectrum, LLC	\$ 10,238,000.00					
CMA108	B	12	452,846	AT&T Mobility Spectrum, LLC	\$ 8,669,000.00					
CMA109	B	12	417,939	AT&T Mobility Spectrum, LLC	\$ 8,309,000.00					
CMA110	B	12	315,538	AT&T Mobility Spectrum, LLC	\$ 3,475,000.00					
CMA111	B	12	518,821	AT&T Mobility Spectrum, LLC	\$ 17,012,000.00					
CMA112	B	12	380,783	AT&T Mobility Spectrum, LLC	\$ 1,289,000.00					
CMA113	B	12	426,526	AT&T Mobility Spectrum, LLC	\$ 12,029,000.00					
CMA114	B	12	483,924	AT&T Mobility Spectrum, LLC	\$ 16,068,000.00					
CMA115	B	12	299,896	PCS Partners, L.P.	\$ 505,500.00					
CMA116	B	12	408,326	AT&T Mobility Spectrum, LLC	\$ 11,471,000.00					
CMA117	B	12	537,484	AT&T Mobility Spectrum, LLC	\$ 6,630,000.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA118	B	12	373,638	AT&T Mobility Spectrum, LLC	\$ 1,820,000.00					
CMA119	B	12	328,695	AT&T Mobility Spectrum, LLC	\$ 673,000.00					
CMA120	B	12	424,607	AT&T Mobility Spectrum, LLC	\$ 9,590,000.00					
CMA121	B	12	350,761	AT&T Mobility Spectrum, LLC	\$ 2,410,000.00					
CMA122	B	12	294,558	Cavalier Wireless, LLC	\$ 139,500.00					
CMA123	B	12	458,614	AT&T Mobility Spectrum, LLC	\$ 5,181,000.00					
CMA124	B	12	399,347	AT&T Mobility Spectrum, LLC	\$ 12,251,000.00					
CMA125	B	12	358,365	AT&T Mobility Spectrum, LLC	\$ 6,908,000.00					
CMA126	B	12	401,762	AT&T Mobility Spectrum, LLC	\$ 4,963,000.00					
CMA127	B	12	412,153	AT&T Mobility Spectrum, LLC	\$ 19,446,000.00					
CMA128	B	12	569,463	AT&T Mobility Spectrum, LLC	\$ 8,342,000.00					
CMA129	B	12	310,687	AT&T Mobility Spectrum, LLC	\$ 2,200,000.00					
CMA130	B	12	280,843	Triad 700, LLC	\$ 168,000.00					
CMA131	B	12	320,204	AT&T Mobility Spectrum, LLC	\$ 2,407,000.00					
CMA132	B	12	314,866	AT&T Mobility Spectrum, LLC	\$ 3,631,000.00					
CMA133	B	12	380,841	AT&T Mobility Spectrum, LLC	\$ 7,911,000.00					
CMA134	B	12	354,878	AT&T Mobility Spectrum, LLC	\$ 2,520,000.00					
CMA135	B	12	322,959	AT&T Mobility Spectrum, LLC	\$ 1,978,000.00					
CMA136	B	12	284,664	CenturyTel Broadband Wireless LLC	\$ 408,000.00					
CMA137	B	12	476,230	AT&T Mobility Spectrum, LLC	\$ 12,615,000.00					
CMA138	B	12	322,549	AT&T Mobility Spectrum, LLC	\$ 7,171,000.00					
CMA139	B	12	333,055	AT&T Mobility Spectrum, LLC	\$ 3,930,000.00					
CMA140	B	12	251,662	King Street Wireless, L.P.	\$ 495,750.00					
CMA141	B	12	243,815	AT&T Mobility Spectrum, LLC	\$ 1,607,000.00					
CMA142	B	12	446,997	AT&T Mobility Spectrum, LLC	\$ 12,193,000.00					
CMA143	B	12	232,621	Miller, David	\$ 118,500.00					
CMA144	B	12	341,367	AT&T Mobility Spectrum, LLC	\$ 1,831,000.00					
CMA145	B	12	332,807	AT&T Mobility Spectrum, LLC	\$ 866,000.00					
CMA146	B	12	443,343	AT&T Mobility Spectrum, LLC	\$ 16,553,000.00					
CMA147	B	12	264,919	VentureTel 700, Inc.	\$ 442,500.00	10/01/08		NOPAY_DOWNPAYMENT	1,224	3,179,028
CMA148	B	12	347,214	AT&T Mobility Spectrum, LLC	\$ 1,161,000.00					
CMA149	B	12	302,963	King Street Wireless, L.P.	\$ 4,013,250.00					
CMA150	B	12	368,021	AT&T Mobility Spectrum, LLC	\$ 4,408,000.00					
CMA151	B	12	280,150	PCS Partners, L.P.	\$ 505,500.00					
CMA152	B	12	300,826	AT&T Mobility Spectrum, LLC	\$ 1,662,000.00					
CMA153	B	12	250,929	Cellco Partnership d/b/a Verizon Wireless	\$ 826,000.00					
CMA154	B	12	259,088	Triad 700, LLC	\$ 537,750.00					
CMA155	B	12	293,000	AT&T Mobility Spectrum, LLC	\$ 9,064,000.00					
CMA156	B	12	298,975	AT&T Mobility Spectrum, LLC	\$ 2,099,000.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA157	B	12	241,023	Cox Wireless, Inc.	\$ 2,339,000.00					
CMA158	B	12	219,469	Triad 700, LLC	\$ 494,250.00					
CMA159	B	12	368,536	AT&T Mobility Spectrum, LLC	\$ 6,032,000.00					
CMA160	B	12	312,952	AT&T Mobility Spectrum, LLC	\$ 4,324,000.00					
CMA161	B	12	242,628	Cellco Partnership d/b/a Verizon Wireless	\$ 714,000.00					
CMA162	B	12	335,227	AT&T Mobility Spectrum, LLC	\$ 2,568,000.00					
CMA163	B	12	294,676	AT&T Mobility Spectrum, LLC	\$ 9,274,000.00					
CMA164	B	12	440,888	AT&T Mobility Spectrum, LLC	\$ 12,635,000.00					
CMA165	B	12	255,399	Cox Wireless, Inc.	\$ 5,789,000.00					
CMA166	B	12	264,436	Cavalier Wireless, LLC	\$ 666,750.00					
CMA167	B	12	325,957	AT&T Mobility Spectrum, LLC	\$ 3,171,000.00					
CMA168	B	12	307,402	AT&T Mobility Spectrum, LLC	\$ 9,312,000.00					
CMA169	B	12	227,412	VentureTel 700, Inc.	\$ 410,250.00	10/01/08		NOPAY_DOWNPAYMENT	1,224	2,728,944
CMA170	B	12	250,158	Triad 700, LLC	\$ 697,500.00					
CMA171	B	12	339,486	AT&T Mobility Spectrum, LLC	\$ 2,689,000.00					
CMA172	B	12	250,291	Cable Montana LLC	\$ 1,327,500.00					
CMA173	B	12	246,190	AT&T Mobility Spectrum, LLC	\$ 4,503,000.00					
CMA174	B	12	239,086	Cox Wireless, Inc.	\$ 2,965,000.00					
CMA175	B	12	255,602	Triad 700, LLC	\$ 741,750.00					
CMA176	B	12	201,437	King Street Wireless, L.P.	\$ 1,213,500.00					
CMA177	B	12	194,740	Agri-Valley Communications, Inc.	\$ 318,750.00					
CMA178	B	12	153,172	GreenFly LLC	\$ 119,250.00					
CMA179	B	12	205,009	King Street Wireless, L.P.	\$ 1,421,250.00					
CMA180	B	12	183,632	Cavalier Wireless, LLC	\$ 222,750.00					
CMA181	B	12	197,073	Agri-Valley Communications, Inc.	\$ 288,150.00					
CMA182	B	12	311,121	AT&T Mobility Spectrum, LLC	\$ 5,789,000.00					
CMA183	B	12	225,965	King Street Wireless, L.P.	\$ 534,000.00					
CMA184	B	12	194,477	maxima international llc	\$ 84,750.00					
CMA185	B	12	170,943	I-700, LLC	\$ 665,000.00					
CMA186	B	12	226,778	King Street Wireless, L.P.	\$ 2,814,000.00					
CMA187	B	12	260,283	AT&T Mobility Spectrum, LLC	\$ 1,383,000.00					
CMA188	B	12	217,858	Cellco Partnership d/b/a Verizon Wireless	\$ 765,000.00					
CMA189	B	12	188,831	King Street Wireless, L.P.	\$ 2,242,500.00					
CMA190	B	12	300,904	AT&T Mobility Spectrum, LLC	\$ 3,609,000.00					
CMA191	B	12	222,581	Cellco Partnership d/b/a Verizon Wireless	\$ 1,866,000.00					
CMA192	B	12	244,043	Cox Wireless, Inc.	\$ 8,069,000.00					
CMA193	B	12	162,453	King Street Wireless, L.P.	\$ 317,250.00					
CMA194	B	12	213,517	Cellco Partnership d/b/a Verizon Wireless	\$ 951,000.00					
CMA195	B	12	191,701	King Street Wireless, L.P.	\$ 2,285,250.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA196	B	12	179,669	I-700, LLC	\$ 819,000.00					
CMA197	B	12	183,577	Cellco Partnership d/b/a Verizon Wireless	\$ 3,885,000.00					
CMA198	B	12	231,809	Wireless Communications Venture	\$ 8,055,000.00					
CMA199	B	12	132,008	Triad 700, LLC	\$ 43,500.00					
CMA200	B	12	157,110	King Street Wireless, L.P.	\$ 273,750.00					
CMA201	B	12	151,337	King Street Wireless, L.P.	\$ 1,370,250.00					
CMA202	B	12	199,750	VentureTel 700, Inc.	\$ 300,750.00	10/01/08		NOPAY_DOWNPAYMENT	1,224	2,397,000
CMA203	B	12	161,946	King Street Wireless, L.P.	\$ 321,000.00					
CMA204	B	12	190,868	VentureTel 700, Inc.	\$ 153,000.00	10/01/08		NOPAY_DOWNPAYMENT	1,224	2,290,416
CMA205	B	12	145,035	Cellco Partnership d/b/a Verizon Wireless	\$ 1,714,000.00					
CMA206	B	12	173,489	Cellco Partnership d/b/a Verizon Wireless	\$ 1,062,000.00					
CMA207	B	12	158,422	PCS Partners, L.P.	\$ 147,750.00					
CMA208	B	12	319,426	AT&T Mobility Spectrum, LLC	\$ 2,301,000.00					
CMA209	B	12	207,033	Bluegrass Wireless LLC	\$ 881,000.00					
CMA210	B	12	251,494	Cellco Partnership d/b/a Verizon Wireless	\$ 2,076,000.00					
CMA211	B	12	264,002	Cellco Partnership d/b/a Verizon Wireless	\$ 1,780,000.00					
CMA212	B	12	231,969	Whidbey Telephone Company	\$ 1,616,700.00					
CMA213	B	12	134,953	Triad 700, LLC	\$ 127,500.00					
CMA214	B	12	191,822	Whidbey Telephone Company	\$ 959,650.00					
CMA215	B	12	203,171	Triad 700, LLC	\$ 279,750.00					
CMA216	B	12	152,307	King Street Wireless, L.P.	\$ 409,500.00					
CMA217	B	12	133,358	Cellco Partnership d/b/a Verizon Wireless	\$ 1,094,000.00					
CMA218	B	12	233,450	King Street Wireless, L.P.	\$ 1,326,000.00					
CMA219	B	12	147,250	CenturyTel Broadband Wireless LLC	\$ 1,729,000.00					
CMA220	B	12	160,245	Central Texas Telephone Investments, LP	\$ 641,000.00					
CMA221	B	12	174,367	FCC	\$ -					
CMA222	B	12	164,875	CenturyTel Broadband Wireless LLC	\$ 429,000.00					
CMA223	B	12	182,791	King Street Wireless, L.P.	\$ 543,000.00					
CMA224	B	12	144,919	King Street Wireless, L.P.	\$ 510,000.00					
CMA225	B	12	129,144	Buffalo-Lake Erie Wireless Systems Co., L.L.C.	\$ 157,500.00					
CMA226	B	12	142,950	Cellular South Licenses, Inc.	\$ 205,000.00					
CMA227	B	12	165,740	West Carolina Communications, LLC	\$ 345,100.00					
CMA228	B	12	146,438	AT&T Mobility Spectrum, LLC	\$ 313,000.00					
CMA229	B	12	181,269	King Street Wireless, L.P.	\$ 581,250.00					
CMA230	B	12	114,706	King Street Wireless, L.P.	\$ 462,750.00					
CMA231	B	12	128,852	Triad 700, LLC	\$ 305,250.00					
CMA232	B	12	148,337	King Street Wireless, L.P.	\$ 5,190,000.00					
CMA233	B	12	142,670	King Street Wireless, L.P.	\$ 479,250.00					
CMA234	B	12	195,033	Cellco Partnership d/b/a Verizon Wireless	\$ 581,000.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA235	B	12	130,571	Broadband Wireless Unlimited, LLC	\$ 81,600.00					
CMA236	B	12	118,769	I-700, LLC	\$ 381,000.00					
CMA237	B	12	174,706	Cellco Partnership d/b/a Verizon Wireless	\$ 1,270,000.00					
CMA238	B	12	120,293	Triad 700, LLC	\$ 262,500.00					
CMA239	B	12	157,322	CenturyTel Broadband Wireless LLC	\$ 2,314,000.00					
CMA240	B	12	143,377	Cellco Partnership d/b/a Verizon Wireless	\$ 942,000.00					
CMA241	B	12	141,472	Cellco Partnership d/b/a Verizon Wireless	\$ 488,000.00					
CMA242	B	12	207,355	Whidbey Telephone Company	\$ 1,076,950.00					
CMA243	B	12	180,936	N.E. Colorado Wireless Technologies, Inc.	\$ 1,657,000.00					
CMA244	B	12	149,577	King Street Wireless, L.P.	\$ 2,163,000.00					
CMA245	B	12	258,916	Cox Wireless, Inc.	\$ 6,117,000.00					
CMA246	B	12	137,916	CenturyTel Broadband Wireless LLC	\$ 2,129,000.00					
CMA247	B	12	148,955	King Street Wireless, L.P.	\$ 678,750.00					
CMA248	B	12	153,472	Vermont Telephone Company, Inc.	\$ 1,357,450.00					
CMA249	B	12	112,249	Cellular South Licenses, Inc.	\$ 287,000.00					
CMA250	B	12	150,433	King Street Wireless, L.P.	\$ 1,179,750.00					
CMA251	B	12	120,044	AT&T Mobility Spectrum, LLC	\$ 371,000.00					
CMA252	B	12	131,420	Cellular South Licenses, Inc.	\$ 237,000.00					
CMA253	B	12	124,130	King Street Wireless, L.P.	\$ 2,717,250.00					
CMA254	B	12	163,256	King Street Wireless, L.P.	\$ 231,000.00					
CMA255	B	12	121,123	Cellco Partnership d/b/a Verizon Wireless	\$ 759,000.00					
CMA256	B	12	159,576	King Street Wireless, L.P.	\$ 341,250.00					
CMA257	B	12	131,923	King Street Wireless, L.P.	\$ 231,000.00					
CMA258	B	12	150,355	King Street Wireless, L.P.	\$ 539,250.00					
CMA259	B	12	135,758	Buffalo-Lake Erie Wireless Systems Co., L.L.C.	\$ 123,750.00					
CMA260	B	12	114,996	King Street Wireless, L.P.	\$ 573,000.00					
CMA261	B	12	120,822	AT&T Mobility Spectrum, LLC	\$ 557,000.00					
CMA262	B	12	110,156	King Street Wireless, L.P.	\$ 92,250.00					
CMA263	B	12	125,834	King Street Wireless, L.P.	\$ 2,930,250.00					
CMA264	B	12	125,761	AT&T Mobility Spectrum, LLC	\$ 2,355,000.00					
CMA265	B	12	170,498	Cellular South Licenses, Inc.	\$ 1,554,000.00					
CMA266	B	12	124,345	Worldcall Inc.	\$ 300,000.00					
CMA267	B	12	148,281	KTC AWS Limited Partnership	\$ 2,203,500.00					
CMA268	B	12	129,352	Cellco Partnership d/b/a Verizon Wireless	\$ 1,564,000.00					
CMA269	B	12	102,008	King Street Wireless, L.P.	\$ 387,750.00					
CMA270	B	12	166,814	AT&T Mobility Spectrum, LLC	\$ 3,314,000.00					
CMA271	B	12	101,541	AT&T Mobility Spectrum, LLC	\$ 624,000.00					
CMA272	B	12	103,459	Cellular South Licenses, Inc.	\$ 502,000.00					
CMA273	B	12	103,833	I-700, LLC	\$ 493,000.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA274	B	12	139,149	QUALCOMM Incorporated	\$ 985,000.00					
CMA275	B	12	102,490	King Street Wireless, L.P.	\$ 1,472,250.00					
CMA276	B	12	97,478	FCC	\$ -					
CMA277	B	12	112,646	King Street Wireless, L.P.	\$ 5,470,500.00					
CMA278	B	12	135,454	CenturyTel Broadband Wireless LLC	\$ 1,215,000.00					
CMA279	B	12	103,793	King Street Wireless, L.P.	\$ 165,000.00					
CMA280	B	12	130,800	King Street Wireless, L.P.	\$ 366,750.00					
CMA281	B	12	193,117	Cellco Partnership d/b/a Verizon Wireless	\$ 483,000.00					
CMA282	B	12	120,563	Triad 700, LLC	\$ 425,250.00					
CMA283	B	12	148,217	Cellular South Licenses, Inc.	\$ 1,247,000.00					
CMA284	B	12	91,070	Broadband Wireless Unlimited, LLC	\$ 137,700.00					
CMA285	B	12	174,682	PVT Networks, Inc.	\$ 1,079,500.00					
CMA286	B	12	89,143	King Street Wireless, L.P.	\$ 764,250.00					
CMA287	B	12	152,415	CenturyTel Broadband Wireless LLC	\$ 448,000.00					
CMA288	B	12	124,277	Midwest AWS Limited Partnership	\$ 1,139,250.00					
CMA289	B	12	112,818	Cellco Partnership d/b/a Verizon Wireless	\$ 1,448,000.00					
CMA290	B	12	107,120	CenturyTel Broadband Wireless LLC	\$ 2,971,000.00					
CMA291	B	12	84,278	CenturyTel Broadband Wireless LLC	\$ 176,000.00					
CMA292	B	12	110,595	Miller, David	\$ 160,500.00					
CMA293	B	12	91,545	Bluegrass Wireless LLC	\$ 320,000.00					
CMA294	B	12	104,010	Central Texas Telephone Investments, LP	\$ 1,551,000.00					
CMA295	B	12	116,009	Cellco Partnership d/b/a Verizon Wireless	\$ 405,000.00					
CMA296	B	12	111,006	King Street Wireless, L.P.	\$ 1,467,750.00					
CMA297	B	12	80,357	Cellco Partnership d/b/a Verizon Wireless	\$ 648,000.00					
CMA298	B	12	94,719	FCC	\$ -					
CMA299	B	12	66,533	Cellco Partnership d/b/a Verizon Wireless	\$ 488,000.00					
CMA300	B	12	84,088	Broadband Wireless Unlimited, LLC	\$ 175,950.00					
CMA301	B	12	99,962	The World Company	\$ 1,495,000.00					
CMA302	B	12	57,813	King Street Wireless, L.P.	\$ 659,250.00					
CMA303	B	12	54,544	Broadband Wireless Unlimited, LLC	\$ 262,650.00					
CMA304	B	12	37,535	King Street Wireless, L.P.	\$ 170,250.00					
CMA305	B	12	21,668	King Street Wireless, L.P.	\$ 108,750.00					
CMA306	B	12	0	CHEVRON USA INC.	\$ 675,000.00					
CMA307	B	12	361,654	AT&T Mobility Spectrum, LLC	\$ 3,880,000.00					
CMA308	B	12	142,366	Cellular South Licenses, Inc.	\$ 2,291,000.00					
CMA309	B	12	135,766	CenturyTel Broadband Wireless LLC	\$ 138,000.00					
CMA310	B	12	145,301	CenturyTel Broadband Wireless LLC	\$ 166,000.00					
CMA311	B	12	221,338	CenturyTel Broadband Wireless LLC	\$ 359,000.00					
CMA312	B	12	122,817	AT&T Mobility Spectrum, LLC	\$ 466,000.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA313	B	12	171,679	CenturyTel Broadband Wireless LLC	\$ 1,932,000.00					
CMA314	B	12	196,259	CenturyTel Broadband Wireless LLC	\$ 383,000.00					
CMA315	B	12	128,275	AlasConnect, Inc.	\$ 560,000.00					
CMA316	B	12	165,292	MTA Communications, Inc.	\$ 197,000.00					
CMA317	B	12	73,082	MTA Communications, Inc.	\$ 42,000.00					
CMA318	B	12	155,032	Data-Max Wireless LLC	\$ 325,500.00		07/13/12	NOBUILDOUT	1,992	1,860,384
CMA319	B	12	283,837	AT&T Mobility Spectrum, LLC	\$ 1,413,000.00					
CMA320	B	12	166,893	SAL Spectrum, LLC	\$ 229,000.00					
CMA321	B	12	179,741	PCS Partners, L.P.	\$ 381,750.00					
CMA322	B	12	231,062	AT&T Mobility Spectrum, LLC	\$ 2,381,000.00					
CMA323	B	12	198,172	PCS Partners, L.P.	\$ 271,500.00					
CMA324	B	12	82,156	Cox Wireless, Inc.	\$ 979,000.00					
CMA325	B	12	99,177	CenturyTel Broadband Wireless LLC	\$ 369,000.00					
CMA326	B	12	105,739	CenturyTel Broadband Wireless LLC	\$ 393,000.00					
CMA327	B	12	214,681	CenturyTel Broadband Wireless LLC	\$ 1,325,000.00					
CMA328	B	12	118,883	CenturyTel Broadband Wireless LLC	\$ 893,000.00					
CMA329	B	12	109,491	CenturyTel Broadband Wireless LLC	\$ 652,000.00					
CMA330	B	12	122,345	CenturyTel Broadband Wireless LLC	\$ 1,203,000.00					
CMA331	B	12	74,034	CenturyTel Broadband Wireless LLC	\$ 170,000.00					
CMA332	B	12	70,834	Pine Cellular Phones, Inc.	\$ 349,350.00					
CMA333	B	12	167,641	CenturyTel Broadband Wireless LLC	\$ 102,000.00					
CMA334	B	12	67,704	CenturyTel Broadband Wireless LLC	\$ 129,000.00					
CMA335	B	12	188,216	CenturyTel Broadband Wireless LLC	\$ 263,000.00					
CMA336	B	12	211,348	King Street Wireless, L.P.	\$ 632,250.00					
CMA337	B	12	64,101	King Street Wireless, L.P.	\$ 28,500.00					
CMA338	B	12	148,493	Triad 700, LLC	\$ 301,500.00					
CMA339	B	12	386,897	AT&T Mobility Spectrum, LLC	\$ 5,151,000.00					
CMA340	B	12	246,681	Club 42 CM Limited Partnership	\$ 1,005,750.00					
CMA341	B	12	30,798	Great American Broadband, Inc.	\$ 93,750.00					
CMA342	B	12	142,361	QUALCOMM Incorporated	\$ 676,000.00					
CMA343	B	12	101,296	King Street Wireless, L.P.	\$ 393,000.00					
CMA344	B	12	144,574	King Street Wireless, L.P.	\$ 270,000.00					
CMA345	B	12	95,588	Triad 700, LLC	\$ 157,500.00					
CMA346	B	12	156,299	Triad 700, LLC	\$ 405,000.00					
CMA347	B	12	129,461	Club 42 CM Limited Partnership	\$ 223,500.00					
CMA348	B	12	52,879	AT&T Mobility Spectrum, LLC	\$ 944,000.00					
CMA349	B	12	69,669	Cellco Partnership d/b/a Verizon Wireless	\$ 623,000.00					
CMA350	B	12	324,669	AT&T Mobility Spectrum, LLC	\$ 4,485,000.00					
CMA351	B	12	88,225	Cellco Partnership d/b/a Verizon Wireless	\$ 921,000.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA352	B	12	36,201	Cellco Partnership d/b/a Verizon Wireless	\$ 486,000.00					
CMA353	B	12	81,299	AT&T Mobility Spectrum, LLC	\$ 1,001,000.00					
CMA354	B	12	52,425	CenturyTel Broadband Wireless LLC	\$ 284,000.00					
CMA355	B	12	47,932	CenturyTel Broadband Wireless LLC	\$ 228,000.00					
CMA356	B	12	31,249	C&W Enterprises, Inc.	\$ 63,000.00					
CMA357	B	12	182,193	Triad 700, LLC	\$ 290,250.00					
CMA358	B	12	109,091	Triad 700, LLC	\$ 180,000.00					
CMA359	B	12	283,335	AT&T Mobility Spectrum, LLC	\$ 1,080,000.00					
CMA360	B	12	287,587	AT&T Mobility Spectrum, LLC	\$ 1,768,000.00					
CMA361	B	12	246,799	Triad 700, LLC	\$ 210,750.00					
CMA362	B	12	200,774	Cellco Partnership d/b/a Verizon Wireless	\$ 453,000.00					
CMA363	B	12	512,760	AT&T Mobility Spectrum, LLC	\$ 7,185,000.00					
CMA364	B	12	120,255	Dragon Arch, Inc.	\$ 274,500.00					
CMA365	B	12	62,714	Miller, David	\$ 26,250.00					
CMA366	B	12	118,126	Cavalier Wireless, LLC	\$ 98,250.00					
CMA367	B	12	57,913	Cavalier Wireless, LLC	\$ 27,000.00					
CMA368	B	12	44,427	Cavalier Wireless, LLC	\$ 92,250.00					
CMA369	B	12	126,893	Cellular South Licenses, Inc.	\$ 409,000.00					
CMA370	B	12	79,589	Triad 700, LLC	\$ 56,250.00					
CMA371	B	12	256,980	AT&T Mobility Spectrum, LLC	\$ 1,359,000.00					
CMA372	B	12	353,474	AT&T Mobility Spectrum, LLC	\$ 3,908,000.00					
CMA373	B	12	230,181	Cavalier Wireless, LLC	\$ 391,500.00					
CMA374	B	12	137,356	Miller, David	\$ 108,000.00					
CMA375	B	12	271,964	AT&T Mobility Spectrum, LLC	\$ 1,855,000.00					
CMA376	B	12	211,408	Public Service Wireless Services, Inc.	\$ 823,000.00					
CMA377	B	12	139,606	Miller, David	\$ 37,500.00					
CMA378	B	12	166,601	PBP Bidco LLC	\$ 326,000.00					
CMA379	B	12	124,063	Public Service Wireless Services, Inc.	\$ 216,000.00					
CMA380	B	12	162,261	AT&T Mobility Spectrum, LLC	\$ 737,000.00					
CMA381	B	12	162,419	Cavalier Wireless, LLC	\$ 69,000.00					
CMA382	B	12	220,558	AT&T Mobility Spectrum, LLC	\$ 3,059,000.00					
CMA383	B	12	157,068	Miller, David	\$ 123,750.00					
CMA384	B	12	268,480	Broadband Wireless Unlimited, LLC	\$ 124,100.00					
CMA385	B	12	58,463	Triad 700, LLC	\$ 136,500.00					
CMA386	B	12	128,241	Triad 700, LLC	\$ 466,500.00					
CMA387	B	12	148,677	Triad 700, LLC	\$ 298,500.00					
CMA388	B	12	263,355	Cellco Partnership d/b/a Verizon Wireless	\$ 1,271,000.00					
CMA389	B	12	72,374	Whidbey Telephone Company	\$ 49,300.00					
CMA390	B	12	18,818	Manti Telephone Company	\$ 159,000.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA391	B	12	171,215	Toba Inlet PCS, LLC	\$ 131,250.00					
CMA392	B	12	165,296	Cellco Partnership d/b/a Verizon Wireless	\$ 970,000.00					
CMA393	B	12	301,991	AT&T Mobility Spectrum, LLC	\$ 2,888,000.00					
CMA394	B	12	324,658	AT&T Mobility Spectrum, LLC	\$ 6,373,000.00					
CMA395	B	12	257,863	King Street Wireless, L.P.	\$ 1,197,000.00					
CMA396	B	12	198,214	AT&T Mobility Spectrum, LLC	\$ 1,555,000.00					
CMA397	B	12	217,323	AT&T Mobility Spectrum, LLC	\$ 1,744,000.00					
CMA398	B	12	94,671	King Street Wireless, L.P.	\$ 412,500.00					
CMA399	B	12	204,307	I-700, LLC	\$ 836,000.00					
CMA400	B	12	235,571	King Street Wireless, L.P.	\$ 673,500.00					
CMA401	B	12	335,376	AT&T Mobility Spectrum, LLC	\$ 2,404,000.00					
CMA402	B	12	149,603	King Street Wireless, L.P.	\$ 432,750.00					
CMA403	B	12	217,293	King Street Wireless, L.P.	\$ 810,750.00					
CMA404	B	12	188,455	Ligtel Communications, Inc.	\$ 1,219,000.00					
CMA405	B	12	147,332	Great American Broadband, Inc.	\$ 217,500.00					
CMA406	B	12	186,514	Cellco Partnership d/b/a Verizon Wireless	\$ 2,055,000.00					
CMA407	B	12	126,683	I-700, LLC	\$ 598,000.00					
CMA408	B	12	220,355	Triad 700, LLC	\$ 544,500.00					
CMA409	B	12	226,189	King Street Wireless, L.P.	\$ 708,750.00					
CMA410	B	12	265,246	AT&T Mobility Spectrum, LLC	\$ 3,023,000.00					
CMA411	B	12	147,985	Miles Communications Corp	\$ 294,000.00					
CMA412	B	12	62,744	King Street Wireless, L.P.	\$ 813,000.00					
CMA413	B	12	51,752	King Street Wireless, L.P.	\$ 912,750.00					
CMA414	B	12	90,319	King Street Wireless, L.P.	\$ 1,400,250.00					
CMA415	B	12	154,644	King Street Wireless, L.P.	\$ 2,969,250.00					
CMA416	B	12	108,853	King Street Wireless, L.P.	\$ 1,350,000.00					
CMA417	B	12	158,156	Iowa Telecommunications Services, Inc.	\$ 2,698,000.00					
CMA418	B	12	55,129	King Street Wireless, L.P.	\$ 648,750.00					
CMA419	B	12	55,801	King Street Wireless, L.P.	\$ 1,107,000.00					
CMA420	B	12	62,268	Iowa Telecommunications Services, Inc.	\$ 1,217,000.00					
CMA421	B	12	187,593	King Street Wireless, L.P.	\$ 1,857,000.00					
CMA422	B	12	113,903	King Street Wireless, L.P.	\$ 660,750.00					
CMA423	B	12	116,168	King Street Wireless, L.P.	\$ 924,750.00					
CMA424	B	12	66,106	Iowa Telecommunications Services, Inc.	\$ 1,979,000.00					
CMA425	B	12	106,046	King Street Wireless, L.P.	\$ 2,003,250.00					
CMA426	B	12	84,043	King Street Wireless, L.P.	\$ 1,117,500.00					
CMA427	B	12	103,341	King Street Wireless, L.P.	\$ 910,500.00					
CMA428	B	12	27,356	The S&T Telephone Cooperative Association, Inc.	\$ 108,800.00					
CMA429	B	12	29,573	Rural Telephone Service Company, Inc.	\$ 107,000.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA430	B	12	51,872	Blue Valley Tele-Communications, Inc.	\$ 793,500.00					
CMA431	B	12	130,681	Blue Valley Tele-Communications, Inc.	\$ 1,515,750.00					
CMA432	B	12	117,095	AT&T Mobility Spectrum, LLC	\$ 2,064,000.00					
CMA433	B	12	19,203	The S&T Telephone Cooperative Association, Inc.	\$ 54,400.00					
CMA434	B	12	80,639	Cellco Partnership d/b/a Verizon Wireless	\$ 964,000.00					
CMA435	B	12	133,142	Cellco Partnership d/b/a Verizon Wireless	\$ 1,018,000.00					
CMA436	B	12	59,627	King Street Wireless, L.P.	\$ 1,307,250.00					
CMA437	B	12	113,232	King Street Wireless, L.P.	\$ 608,250.00					
CMA438	B	12	93,815	Cellco Partnership d/b/a Verizon Wireless	\$ 788,000.00					
CMA439	B	12	47,468	Cellco Partnership d/b/a Verizon Wireless	\$ 646,000.00					
CMA440	B	12	28,437	Cellco Partnership d/b/a Verizon Wireless	\$ 304,000.00					
CMA441	B	12	175,105	King Street Wireless, L.P.	\$ 1,119,750.00					
CMA442	B	12	154,883	King Street Wireless, L.P.	\$ 1,082,250.00					
CMA443	B	12	193,495	BPS Telephone Company	\$ 315,750.00					
CMA444	B	12	129,201	Bluegrass Wireless LLC	\$ 235,000.00					
CMA445	B	12	332,060	AT&T Mobility Spectrum, LLC	\$ 3,640,000.00					
CMA446	B	12	260,291	AT&T Mobility Spectrum, LLC	\$ 3,526,000.00					
CMA447	B	12	164,614	Bluegrass Wireless LLC	\$ 1,109,000.00					
CMA448	B	12	277,683	Bluegrass Wireless LLC	\$ 727,000.00					
CMA449	B	12	187,538	AT&T Mobility Spectrum, LLC	\$ 1,013,000.00					
CMA450	B	12	124,331	AT&T Mobility Spectrum, LLC	\$ 829,000.00					
CMA451	B	12	196,797	East Kentucky Network, LLC	\$ 298,000.00					
CMA452	B	12	150,294	Reiter, Scott D	\$ 41,250.00					
CMA453	B	12	167,879	East Kentucky Network, LLC	\$ 108,000.00					
CMA454	B	12	113,312	Cellco Partnership d/b/a Verizon Wireless	\$ 1,159,000.00					
CMA455	B	12	115,346	Cellco Partnership d/b/a Verizon Wireless	\$ 1,727,000.00					
CMA456	B	12	150,186	Cellco Partnership d/b/a Verizon Wireless	\$ 1,188,000.00					
CMA457	B	12	72,903	CenturyTel Broadband Wireless LLC	\$ 760,000.00					
CMA458	B	12	399,898	AT&T Mobility Spectrum, LLC	\$ 5,180,000.00					
CMA459	B	12	183,474	Cox Wireless, Inc.	\$ 1,492,000.00					
CMA460	B	12	191,510	CenturyTel Broadband Wireless LLC	\$ 93,000.00					
CMA461	B	12	112,332	Columbia Cellular, Inc.	\$ 674,050.00					
CMA462	B	12	26,757	Broadband Wireless Unlimited, LLC	\$ 12,750.00					
CMA463	B	12	84,222	King Street Wireless, L.P.	\$ 727,500.00					
CMA464	B	12	142,061	King Street Wireless, L.P.	\$ 782,250.00					
CMA465	B	12	226,628	King Street Wireless, L.P.	\$ 889,500.00					
CMA466	B	12	85,732	AT&T Mobility Spectrum, LLC	\$ 1,101,000.00					
CMA467	B	12	29,846	King Street Wireless, L.P.	\$ 183,750.00					
CMA468	B	12	470,726	AT&T Mobility Spectrum, LLC	\$ 5,783,000.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA469	B	12	195,277	Cellco Partnership d/b/a Verizon Wireless	\$ 564,000.00					
CMA470	B	12	71,535	Broadband Wireless Unlimited, LLC	\$ 119,000.00					
CMA471	B	12	246,737	Triad 700, LLC	\$ 625,500.00					
CMA472	B	12	202,821	NSIGHTTEL WIRELESS, LLC	\$ 956,000.00					
CMA473	B	12	114,795	CenturyTel Broadband Wireless LLC	\$ 1,024,000.00					
CMA474	B	12	174,862	Agri-Valley Communications, Inc.	\$ 412,250.00					
CMA475	B	12	141,199	CenturyTel Broadband Wireless LLC	\$ 420,000.00					
CMA476	B	12	169,410	CenturyTel Broadband Wireless LLC	\$ 435,000.00					
CMA477	B	12	148,997	CenturyTel Broadband Wireless LLC	\$ 567,000.00					
CMA478	B	12	255,329	Iowa Integra Consortium, LLC	\$ 232,000.00					
CMA479	B	12	105,665	Iowa Integra Consortium, LLC	\$ 83,000.00					
CMA480	B	12	304,730	AT&T Mobility Spectrum, LLC	\$ 3,389,000.00					
CMA481	B	12	138,892	Agri-Valley Communications, Inc.	\$ 1,112,650.00					
CMA482	B	12	49,661	Iowa Integra Consortium, LLC	\$ 18,000.00					
CMA483	B	12	65,227	Paul Bunyan Rural Telephone Cooperative, Inc.	\$ 175,000.00					
CMA484	B	12	58,347	AT&T Mobility Spectrum, LLC	\$ 319,000.00					
CMA485	B	12	16,226	Dragon Arch, Inc.	\$ 60,750.00					
CMA486	B	12	214,745	Sky Com 700 MHZ, LLC	\$ 2,227,000.00					
CMA487	B	12	274,452	AT&T Mobility Spectrum, LLC	\$ 1,181,000.00					
CMA488	B	12	174,114	Redwood Wireless Corp.	\$ 1,242,000.00					
CMA489	B	12	67,816	Redwood Wireless Corp.	\$ 379,500.00					
CMA490	B	12	133,637	Redwood Wireless Corp.	\$ 746,250.00					
CMA491	B	12	240,003	Redwood Wireless Corp.	\$ 2,152,500.00					
CMA492	B	12	212,896	Redwood Wireless Corp.	\$ 1,363,500.00					
CMA493	B	12	183,347	AT&T Mobility Spectrum, LLC	\$ 1,651,000.00					
CMA494	B	12	258,742	CenturyTel Broadband Wireless LLC	\$ 783,000.00					
CMA495	B	12	160,230	CenturyTel Broadband Wireless LLC	\$ 168,000.00					
CMA496	B	12	130,816	CenturyTel Broadband Wireless LLC	\$ 323,000.00					
CMA497	B	12	160,830	CenturyTel Broadband Wireless LLC	\$ 164,000.00					
CMA498	B	12	189,098	CenturyTel Broadband Wireless LLC	\$ 200,000.00					
CMA499	B	12	188,499	CenturyTel Broadband Wireless LLC	\$ 178,000.00					
CMA500	B	12	160,376	CenturyTel Broadband Wireless LLC	\$ 272,000.00					
CMA501	B	12	124,367	CenturyTel Broadband Wireless LLC	\$ 110,000.00					
CMA502	B	12	157,867	CenturyTel Broadband Wireless LLC	\$ 117,000.00					
CMA503	B	12	204,876	Cellular South Licenses, Inc.	\$ 363,000.00					
CMA504	B	12	42,936	King Street Wireless, L.P.	\$ 411,000.00					
CMA505	B	12	35,481	King Street Wireless, L.P.	\$ 699,000.00					
CMA506	B	12	56,401	King Street Wireless, L.P.	\$ 1,107,000.00					
CMA507	B	12	72,404	AT&T Mobility Spectrum, LLC	\$ 2,748,000.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA508	B	12	69,416	Chariton Valley Communication Corporation, Inc.	\$ 1,984,750.00					
CMA509	B	12	91,430	CenturyTel Broadband Wireless LLC	\$ 1,542,000.00					
CMA510	B	12	171,259	AT&T Mobility Spectrum, LLC	\$ 7,879,000.00					
CMA511	B	12	116,371	AT&T Mobility Spectrum, LLC	\$ 6,187,000.00					
CMA512	B	12	82,489	AT&T Mobility Spectrum, LLC	\$ 3,166,000.00					
CMA513	B	12	105,824	King Street Wireless, L.P.	\$ 2,639,250.00					
CMA514	B	12	157,501	AT&T Mobility Spectrum, LLC	\$ 1,267,000.00					
CMA515	B	12	127,624	King Street Wireless, L.P.	\$ 2,927,250.00					
CMA516	B	12	96,827	AT&T Mobility Spectrum, LLC	\$ 2,078,000.00					
CMA517	B	12	111,359	CenturyTel Broadband Wireless LLC	\$ 1,657,000.00					
CMA518	B	12	128,225	CenturyTel Broadband Wireless LLC	\$ 1,427,000.00					
CMA519	B	12	104,516	CenturyTel Broadband Wireless LLC	\$ 1,501,000.00					
CMA520	B	12	55,504	CenturyTel Broadband Wireless LLC	\$ 800,000.00					
CMA521	B	12	123,913	King Street Wireless, L.P.	\$ 756,750.00					
CMA522	B	12	197,383	King Street Wireless, L.P.	\$ 1,166,250.00					
CMA523	B	12	156,158	CenturyTel Broadband Wireless LLC	\$ 2,587,000.00					
CMA524	B	12	37,077	MTN3B Consortium	\$ 273,700.00					
CMA525	B	12	13,555	MTN3B Consortium	\$ 124,100.00					
CMA526	B	12	38,513	MTN3B Consortium	\$ 415,650.00					
CMA527	B	12	201,482	Bresnan Communications, Inc.	\$ 2,085,000.00					
CMA528	B	12	64,977	MTN3B Consortium	\$ 226,950.00					
CMA529	B	12	29,729	Cellco Partnership d/b/a Verizon Wireless	\$ 292,000.00					
CMA530	B	12	99,578	Cellco Partnership d/b/a Verizon Wireless	\$ 580,000.00					
CMA531	B	12	32,467	Cellco Partnership d/b/a Verizon Wireless	\$ 330,000.00					
CMA532	B	12	18,950	MTN3B Consortium	\$ 157,250.00					
CMA533	B	12	90,410	Cellco Partnership d/b/a Verizon Wireless	\$ 787,000.00					
CMA534	B	12	29,189	Cellco Partnership d/b/a Verizon Wireless	\$ 287,000.00					
CMA535	B	12	117,334	King Street Wireless, L.P.	\$ 2,577,750.00					
CMA536	B	12	34,344	King Street Wireless, L.P.	\$ 117,000.00					
CMA537	B	12	149,780	King Street Wireless, L.P.	\$ 1,443,750.00					
CMA538	B	12	113,331	Glenwood Telephone Membership, Corporation	\$ 910,500.00					
CMA539	B	12	94,031	Cellco Partnership d/b/a Verizon Wireless	\$ 2,364,000.00					
CMA540	B	12	56,542	Glenwood Telephone Membership, Corporation	\$ 234,750.00					
CMA541	B	12	82,173	Cellco Partnership d/b/a Verizon Wireless	\$ 1,557,000.00					
CMA542	B	12	87,405	King Street Wireless, L.P.	\$ 849,750.00					
CMA543	B	12	46,781	Churchill County Telephone d/b/a CC Communications	\$ 210,000.00					
CMA544	B	12	52,736	SAL Spectrum, LLC	\$ 126,000.00					
CMA545	B	12	131,616	Cellco Partnership d/b/a Verizon Wireless	\$ 401,000.00					
CMA546	B	12	38,527	Great American Broadband, Inc.	\$ 142,500.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA547	B	12	13,346	WUE, Inc.	\$ 141,750.00					
CMA548	B	12	229,137	King Street Wireless, L.P.	\$ 3,224,250.00					
CMA549	B	12	236,216	King Street Wireless, L.P.	\$ 584,250.00					
CMA550	B	12	121,989	QUALCOMM Incorporated	\$ 1,867,000.00					
CMA551	B	12	510,916	Cellco Partnership d/b/a Verizon Wireless	\$ 7,178,000.00					
CMA552	B	12	144,166	Cavalier Wireless, LLC	\$ 153,000.00					
CMA553	B	12	285,363	AT&T Mobility Spectrum, LLC	\$ 2,010,000.00					
CMA554	B	12	24,353	PCS Partners, L.P.	\$ 126,750.00					
CMA555	B	12	101,043	PVT Networks, Inc.	\$ 430,100.00					
CMA556	B	12	274,809	PVT Networks, Inc.	\$ 1,152,600.00					
CMA557	B	12	61,950	Cellco Partnership d/b/a Verizon Wireless	\$ 690,000.00					
CMA558	B	12	250,260	Cellco Partnership d/b/a Verizon Wireless	\$ 1,207,000.00					
CMA559	B	12	250,613	King Street Wireless, L.P.	\$ 117,000.00					
CMA560	B	12	230,331	King Street Wireless, L.P.	\$ 432,000.00					
CMA561	B	12	476,152	AT&T Mobility Spectrum, LLC	\$ 4,248,000.00					
CMA562	B	12	355,651	AT&T Mobility Spectrum, LLC	\$ 251,000.00					
CMA563	B	12	393,028	Cavalier Wireless, LLC	\$ 688,500.00					
CMA564	B	12	111,289	Broadband Wireless Unlimited, LLC	\$ 109,650.00					
CMA565	B	12	200,333	Comporium Wireless, LLC	\$ 1,399,000.00					
CMA566	B	12	170,738	FCC	\$ -					
CMA567	B	12	171,912	King Street Wireless, L.P.	\$ 1,716,750.00					
CMA568	B	12	372,614	AT&T Mobility Spectrum, LLC	\$ 2,367,000.00					
CMA569	B	12	134,659	King Street Wireless, L.P.	\$ 135,750.00					
CMA570	B	12	173,138	King Street Wireless, L.P.	\$ 206,250.00					
CMA571	B	12	309,736	AT&T Mobility Spectrum, LLC	\$ 8,575,000.00					
CMA572	B	12	296,296	AT&T Mobility Spectrum, LLC	\$ 12,393,000.00					
CMA573	B	12	120,566	King Street Wireless, L.P.	\$ 213,750.00					
CMA574	B	12	326,319	King Street Wireless, L.P.	\$ 7,353,000.00					
CMA575	B	12	244,012	King Street Wireless, L.P.	\$ 1,290,750.00					
CMA576	B	12	150,306	Star Telephone Membership Corporation	\$ 1,672,800.00					
CMA577	B	12	252,756	King Street Wireless, L.P.	\$ 270,000.00					
CMA578	B	12	258,014	King Street Wireless, L.P.	\$ 432,750.00					
CMA579	B	12	476,998	AT&T Mobility Spectrum, LLC	\$ 11,916,000.00					
CMA580	B	12	101,633	AT&T Mobility Spectrum, LLC	\$ 190,000.00					
CMA581	B	12	58,222	Iowa Integra Consortium, LLC	\$ 91,000.00					
CMA582	B	12	88,665	Red River Rural Telephone Association, Inc.	\$ 267,000.00					
CMA583	B	12	61,696	KTC AWS Limited Partnership	\$ 472,500.00					
CMA584	B	12	48,018	BEK Communications Cooperative	\$ 287,250.00					
CMA585	B	12	128,191	Triad 700, LLC	\$ 248,250.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA586	B	12	259,513	Bascom Long Distance, Inc.	\$ 693,750.00					
CMA587	B	12	102,728	Triad 700, LLC	\$ 159,750.00					
CMA588	B	12	229,057	Gold Radio Group, LLC	\$ 603,500.00					
CMA589	B	12	239,331	Triad 700, LLC	\$ 351,000.00					
CMA590	B	12	471,304	AT&T Mobility Spectrum, LLC	\$ 3,782,000.00					
CMA591	B	12	261,385	Triad 700, LLC	\$ 312,000.00					
CMA592	B	12	179,466	Cincinnati Bell Wireless LLC	\$ 201,000.00					
CMA593	B	12	243,945	The Chillicothe Telephone Company	\$ 1,038,000.00					
CMA594	B	12	175,317	Triad 700, LLC	\$ 324,000.00					
CMA595	B	12	112,075	Triad 700, LLC	\$ 34,500.00					
CMA596	B	12	29,112	Panhandle Telecommunication Systems, Inc.	\$ 435,000.00					
CMA597	B	12	48,862	King Street Wireless, L.P.	\$ 749,250.00					
CMA598	B	12	215,441	AT&T Mobility Spectrum, LLC	\$ 4,169,000.00					
CMA599	B	12	208,345	Cellco Partnership d/b/a Verizon Wireless	\$ 3,769,000.00					
CMA600	B	12	60,223	King Street Wireless, L.P.	\$ 528,000.00					
CMA601	B	12	223,407	Cross Telephone Company, LLC	\$ 2,051,000.00					
CMA602	B	12	126,544	King Street Wireless, L.P.	\$ 1,887,000.00					
CMA603	B	12	94,340	King Street Wireless, L.P.	\$ 940,500.00					
CMA604	B	12	209,569	King Street Wireless, L.P.	\$ 1,452,000.00					
CMA605	B	12	83,895	Pine Cellular Phones, Inc.	\$ 1,049,750.00					
CMA606	B	12	188,444	AT&T Mobility Spectrum, LLC	\$ 711,000.00					
CMA607	B	12	79,602	King Street Wireless, L.P.	\$ 801,000.00					
CMA608	B	12	158,595	Cellco Partnership d/b/a Verizon Wireless	\$ 911,000.00					
CMA609	B	12	225,701	CenturyTel Broadband Wireless LLC	\$ 926,000.00					
CMA610	B	12	260,041	King Street Wireless, L.P.	\$ 924,750.00					
CMA611	B	12	213,355	Bend Cable Communications, LLC	\$ 6,745,000.00					
CMA612	B	12	196,740	USA Choice Internet Services Company LLC	\$ 290,250.00					
CMA613	B	12	87,022	Miller, David	\$ 24,000.00					
CMA614	B	12	97,367	Miller, David	\$ 27,000.00					
CMA615	B	12	97,397	Miller, David	\$ 27,000.00					
CMA616	B	12	94,024	PCS Partners, L.P.	\$ 131,250.00					
CMA617	B	12	382,883	Toba Inlet PCS, LLC	\$ 522,000.00					
CMA618	B	12	218,919	MCBRIDE SPECTRUM PARTNERS, LLC	\$ 62,250.00					
CMA619	B	12	406,449	AT&T Mobility Spectrum, LLC	\$ 4,744,000.00					
CMA620	B	12	189,316	Cavalier Wireless, LLC	\$ 104,250.00					
CMA621	B	12	193,558	King Street Wireless, L.P.	\$ 100,500.00					
CMA622	B	12	114,893	Miller, David	\$ 41,250.00					
CMA623	B	12	120,327	PCS Partners, L.P.	\$ 45,750.00					
CMA624	B	12	85,433	Triad 700, LLC	\$ 270,000.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA625	B	12	66,215	VentureTel 700, Inc.	\$ 19,500.00	10/01/08		NOPAY_DOWNPAYMENT	1,224	794,580
CMA626	B	12	251,847	Piedmont Rural Telephone Cooperative, Inc.	\$ 355,300.00					
CMA627	B	12	139,940	Chester Telephone Company	\$ 215,900.00					
CMA628	B	12	222,349	Sandhill Communications, LLC	\$ 1,351,500.00					
CMA629	B	12	287,892	AT&T Mobility Spectrum, LLC	\$ 5,930,000.00					
CMA630	B	12	194,484	FCC	\$ -					
CMA631	B	12	158,114	Cavalier Wireless, LLC	\$ 113,250.00					
CMA632	B	12	201,265	AT&T Mobility Spectrum, LLC	\$ 4,363,000.00					
CMA633	B	12	225,965	Comporium Wireless, LLC	\$ 951,000.00					
CMA634	B	12	35,612	Cellco Partnership d/b/a Verizon Wireless	\$ 107,000.00					
CMA635	B	12	23,121	Iowa Integra Consortium, LLC	\$ 43,000.00					
CMA636	B	12	52,825	KTC AWS Limited Partnership	\$ 222,000.00					
CMA637	B	12	68,784	AT&T Mobility Spectrum, LLC	\$ 658,000.00					
CMA638	B	12	27,194	N.E. Colorado Wireless Technologies, Inc.	\$ 249,000.00					
CMA639	B	12	38,915	N.E. Colorado Wireless Technologies, Inc.	\$ 116,000.00					
CMA640	B	12	67,747	Iowa Integra Consortium, LLC	\$ 105,000.00					
CMA641	B	12	74,488	AT&T Mobility Spectrum, LLC	\$ 340,000.00					
CMA642	B	12	105,059	AT&T Mobility Spectrum, LLC	\$ 1,183,000.00					
CMA643	B	12	317,877	AT&T Mobility Spectrum, LLC	\$ 1,079,000.00					
CMA644	B	12	177,193	AT&T Mobility Spectrum, LLC	\$ 378,000.00					
CMA645	B	12	366,706	AT&T Mobility Spectrum, LLC	\$ 3,124,000.00					
CMA646	B	12	290,725	AT&T Mobility Spectrum, LLC	\$ 3,633,000.00					
CMA647	B	12	369,630	AT&T Mobility Spectrum, LLC	\$ 2,511,000.00					
CMA648	B	12	170,150	Cellular South Licenses, Inc.	\$ 193,000.00					
CMA649	B	12	282,930	AT&T Mobility Spectrum, LLC	\$ 3,164,000.00					
CMA650	B	12	17,499	Broadband Wireless Unlimited, LLC	\$ 29,750.00					
CMA651	B	12	69,498	Miller, David	\$ 32,250.00					
CMA652	B	12	55,812	SAL Spectrum, LLC	\$ 75,000.00					
CMA653	B	12	89,253	Cellco Partnership d/b/a Verizon Wireless	\$ 587,000.00					
CMA654	B	12	137,663	Miller, David	\$ 153,000.00					
CMA655	B	12	41,975	Miller, David	\$ 31,500.00					
CMA656	B	12	77,084	King Street Wireless, L.P.	\$ 405,000.00					
CMA657	B	12	91,269	Cellco Partnership d/b/a Verizon Wireless	\$ 402,000.00					
CMA658	B	12	392,672	AT&T Mobility Spectrum, LLC	\$ 2,088,000.00					
CMA659	B	12	134,426	Central Texas Telephone Investments, LP	\$ 557,000.00					
CMA660	B	12	193,442	Central Texas Telephone Investments, LP	\$ 763,000.00					
CMA661	B	12	335,717	AT&T Mobility Spectrum, LLC	\$ 732,000.00					
CMA662	B	12	300,759	AT&T Mobility Spectrum, LLC	\$ 1,846,000.00					
CMA663	B	12	24,696	Spectrum Acquisitions, Inc.	\$ 202,300.00	10/01/08		NOPAY_DOWNPAYMENT	1,224	296,352

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA664	B	12	31,027	C&W Enterprises, Inc.	\$ 33,750.00					
CMA665	B	12	41,757	Central Texas Telephone Investments, LP	\$ 192,000.00					
CMA666	B	12	194,504	Central Texas Telephone Investments, LP	\$ 995,000.00					
CMA667	B	12	349,585	Worldcall Inc.	\$ 486,000.00					
CMA668	B	12	270,140	AT&T Mobility Spectrum, LLC	\$ 1,140,000.00					
CMA669	B	12	227,582	Cellco Partnership d/b/a Verizon Wireless	\$ 940,000.00					
CMA670	B	12	235,315	Cellco Partnership d/b/a Verizon Wireless	\$ 316,000.00					
CMA671	B	12	158,126	AT&T Mobility Spectrum, LLC	\$ 260,000.00					
CMA672	B	12	26,031	AT&T Mobility Spectrum, LLC	\$ 673,000.00					
CMA673	B	12	136,097	Cellco Partnership d/b/a Verizon Wireless	\$ 474,000.00					
CMA674	B	12	52,080	AT&T Mobility Spectrum, LLC	\$ 997,000.00					
CMA675	B	12	62,248	Manti Telephone Company	\$ 300,000.00					
CMA676	B	12	130,138	Cellco Partnership d/b/a Verizon Wireless	\$ 593,000.00					
CMA677	B	12	80,283	Cellco Partnership d/b/a Verizon Wireless	\$ 2,133,000.00					
CMA678	B	12	29,138	Cellco Partnership d/b/a Verizon Wireless	\$ 331,000.00					
CMA679	B	12	217,353	King Street Wireless, L.P.	\$ 771,750.00					
CMA680	B	12	238,002	King Street Wireless, L.P.	\$ 6,811,500.00					
CMA681	B	12	141,297	FCC	\$ -					
CMA682	B	12	136,903	King Street Wireless, L.P.	\$ 389,250.00					
CMA683	B	12	213,798	King Street Wireless, L.P.	\$ 568,500.00					
CMA684	B	12	187,302	King Street Wireless, L.P.	\$ 346,500.00					
CMA685	B	12	62,590	King Street Wireless, L.P.	\$ 107,250.00					
CMA686	B	12	234,162	King Street Wireless, L.P.	\$ 215,250.00					
CMA687	B	12	94,187	Buggs Island Telephone Cooperative	\$ 461,250.00					
CMA688	B	12	91,070	Buggs Island Telephone Cooperative	\$ 189,000.00					
CMA689	B	12	92,114	Buggs Island Telephone Cooperative	\$ 198,750.00					
CMA690	B	12	247,404	Cellco Partnership d/b/a Verizon Wireless	\$ 645,000.00					
CMA691	B	12	300,410	AT&T Mobility Spectrum, LLC	\$ 690,000.00					
CMA692	B	12	188,579	Cox Wireless, Inc.	\$ 619,000.00					
CMA693	B	12	279,092	AT&T Mobility Spectrum, LLC	\$ 6,529,000.00					
CMA694	B	12	138,783	Cellco Partnership d/b/a Verizon Wireless	\$ 1,057,000.00					
CMA695	B	12	59,058	Whidbey Telephone Company	\$ 295,800.00					
CMA696	B	12	116,599	Whidbey Telephone Company	\$ 673,200.00					
CMA697	B	12	134,672	Cellco Partnership d/b/a Verizon Wireless	\$ 1,448,000.00					
CMA698	B	12	186,356	AT&T Mobility Spectrum, LLC	\$ 1,478,000.00					
CMA699	B	12	29,033	King Street Wireless, L.P.	\$ 119,250.00					
CMA700	B	12	122,932	Cellco Partnership d/b/a Verizon Wireless	\$ 1,241,000.00					
CMA701	B	12	76,985	King Street Wireless, L.P.	\$ 130,500.00					
CMA702	B	12	76,624	King Street Wireless, L.P.	\$ 112,500.00					

APPENDIX B-5

Auction 73 - Lower 700 MHz B BLOCK

MARKET	BLOCK	MHZ	POPULATION	WINNING_BIDDER	NET_BID	DISMISS	CANCEL	CAUSE	DELAY	MHZ-POPS
CMA703	B	12	268,096	King Street Wireless, L.P.	\$ 383,250.00					
CMA704	B	12	185,405	King Street Wireless, L.P.	\$ 493,500.00					
CMA705	B	12	129,431	King Street Wireless, L.P.	\$ 219,000.00					
CMA706	B	12	166,643	King Street Wireless, L.P.	\$ 783,000.00					
CMA707	B	12	251,814	King Street Wireless, L.P.	\$ 414,750.00					
CMA708	B	12	117,992	King Street Wireless, L.P.	\$ 3,782,250.00					
CMA709	B	12	86,105	King Street Wireless, L.P.	\$ 2,706,750.00					
CMA710	B	12	142,982	King Street Wireless, L.P.	\$ 2,778,000.00					
CMA711	B	12	124,244	King Street Wireless, L.P.	\$ 4,320,750.00					
CMA712	B	12	97,679	AT&T Mobility Spectrum, LLC	\$ 7,633,000.00					
CMA713	B	12	120,566	King Street Wireless, L.P.	\$ 4,708,500.00					
CMA714	B	12	295,518	AT&T Mobility Spectrum, LLC	\$ 7,942,000.00					
CMA715	B	12	240,609	King Street Wireless, L.P.	\$ 4,508,250.00					
CMA716	B	12	403,441	AT&T Mobility Spectrum, LLC	\$ 21,187,000.00					
CMA717	B	12	131,035	King Street Wireless, L.P.	\$ 1,689,000.00					
CMA718	B	12	50,418	Union Telephone Company	\$ 588,000.00					
CMA719	B	12	79,864	Cellco Partnership d/b/a Verizon Wireless	\$ 1,539,000.00					
CMA720	B	12	147,542	Manti Telephone Company	\$ 1,520,250.00					
CMA721	B	12	137,373	AT&T Mobility Spectrum, LLC	\$ 1,867,000.00					
CMA722	B	12	12,052	Great American Broadband, Inc.	\$ 70,500.00					
CMA723	B	12	14,767	maxima international llc	\$ 71,250.00					
CMA724	B	12	285,531	VentureTel 700, Inc.	\$ 100,500.00	10/01/08		NOPAY_DOWNPAYMENT	1,224	3,426,372
CMA725	B	12	126,274	VentureTel 700, Inc.	\$ 28,500.00	10/01/08		NOPAY_DOWNPAYMENT	1,224	1,515,288
CMA726	B	12	270,223	Worldcall Inc.	\$ 100,500.00					
CMA727	B	12	41,757	Worldcall Inc.	\$ 84,000.00					
CMA728	B	12	9,106	Dragon Arch, Inc.	\$ 68,250.00					
CMA729	B	12	1,868	Worldcall Inc.	\$ 60,750.00					
CMA730	B	12	55,378	Worldcall Inc.	\$ 227,250.00					
CMA731	B	12	53,234	Worldcall Inc.	\$ 180,000.00					
CMA732	B	12	154,805	Choice Phone LLC	\$ 933,000.00					
CMA733	B	12	57,291	Club 42 CM Limited Partnership	\$ 15,750.00					
CMA734	B	12	69,221	Choice Phone LLC	\$ 70,000.00					
TOTALS			285,620,445		\$ 9,068,382,850.00				11,784	18,488,364
								WEIGHTED AVERAGE DELAY (days)	1301.2797	
								1301.2797 days = 3 years, 6 months, 23 days		
								TOTAL B BLOCK MHZ-POPS	3,427,445,340	
								% MHZ-POPS DELAYED	0.0054	0.54%

APPENDIX C: New York State Hypothetical

APPENDIX C
New York State Hypothetical

Market	CMA	MSA/RSA	MHz	Population	MHz-POPs	Total Population	Weighted Ave-MHz	MHz-POPs Percentage
New York-Newark, NY-NJ	CMA001	MSA	10	16,134,166	161,341,660	23,084,713	6.99	69.89
Buffalo, NY	CMA025	MSA	10	1,170,111	11,701,110	23,084,713	0.51	5.07
Rochester, NY	CMA034	MSA	10	1,037,831	10,378,310	23,084,713	0.45	4.50
Albany-Schenectady-Troy, NY	CMA044	MSA	10	844,001	8,440,010	23,084,713	0.37	3.66
Syracuse, NY	CMA053	MSA	10	650,154	6,501,540	23,084,713	0.28	2.82
Utica-Rome, NY	CMA115	MSA	10	299,896	2,998,960	23,084,713	0.13	1.30
Binghamton, NY	CMA122	MSA	10	294,558	2,945,580	23,084,713	0.13	1.28
Orange County, NY	CMA144	MSA	10	341,367	3,413,670	23,084,713	0.15	1.48
Poughkeepsie, NY	CMA151	MSA	10	280,150	2,801,500	23,084,713	0.12	1.21
Glens Falls, NY	CMA266	MSA	10	124,345	1,243,450	23,084,713	0.05	0.54
Elmira, NY	CMA284	MSA	10	91,070	910,700	23,084,713	0.04	0.39
New York 1 - Jefferson	CMA559	RSA	10	250,613	2,506,130	23,084,713	0.11	1.09
New York 2 - Franklin	CMA560	RSA	10	230,331	2,303,310	23,084,713	0.10	1.00
New York 3 - Chautauqua	CMA561	RSA	10	476,152	4,761,520	23,084,713	0.21	2.06
New York 4 - Yates	CMA562	RSA	10	355,651	3,556,510	23,084,713	0.15	1.54
New York 5 - Otsego	CMA563	RSA	10	393,028	3,930,280	23,084,713	0.17	1.70
New York 6 - Columbia	CMA564	RSA	10	111,289	1,112,890	23,084,713	0.05	0.48
Totals				23,084,713				100

* Population based on 2000 Census

Testimony of Preston Padden
Executive Director
Expanding Opportunities for Broadcasters Coalition

EXHIBIT NO. 3:

**THE BROADCAST INCENTIVE AUCTION DOES NOT HAVE TO IMPACT THE
AVAILABILITY OF TELEVISION TRANSLATOR SERVICES**



November 21, 2013

VIA ELECTRONIC FILING

Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

Re: Expanding the Economic and Innovation Opportunities of
Spectrum Through Incentive Auctions, GN Docket No. 12-268

Dear Ms. Dortch:

Pursuant to Section 1.1206 of the Commission's rules, the Expanding Opportunities for Broadcasters Coalition (the "Coalition")¹ hereby submits these Informal Comments in response to concerns that the broadcast incentive auction and subsequent repacking will negatively impact television translator services. After examining this issue, the Coalition has determined that rural television viewers will continue to enjoy robust translator service after the auction and repacking.

¹ The Coalition is composed of broadcasters who are the licensees or hold rights to acquire more than 70 auction-eligible stations, most of which are located in the nation's largest, most spectrum-constrained markets. These broadcasters recognize the potential benefit that could come from a successful auction and are committed to working with the FCC to achieve that result. At the same time, these broadcasters are cognizant of the fact that there are alternatives to auction participation should the rules adopted by the Commission not allow them to realize the fair market value of their spectrum as repurposed for wireless broadband.

Broadcasters use television translators to improve or extend their over-the-air television signals—primarily in rural areas and areas with uneven terrain that can disrupt over-the-air transmission. Because TV translators are regulated as low power television stations, they operate on a “secondary” basis to full power stations. In the Middle Class Tax Relief and Job Creation Act of 2012 (the “Spectrum Act”), Congress did not include TV translators and other low power television stations in the definition of television licensees.² As a result, TV translators are not entitled to protection when the FCC repacks broadcast stations.³ This has led some broadcasters, members of Congress, and others to question whether the repacking will eliminate TV translator service and threaten the availability of over-the-air television service in rural areas.

Our analysis indicates that, after the auction, consumers will continue to enjoy robust translator service. Those expressing concerns fear that the FCC will reclaim more spectrum than it needs in rural areas. This is contrary, however, to the auction design and to commitments made by Commission staff. Those concerned also worry that even if the FCC only reclaims the spectrum that it needs, the repacking of full power and Class A television stations will squeeze out TV translators. But, as the attached example demonstrates, there will be room for existing TV translator service after the auction and repacking.

There is no rational basis to conclude that the FCC will recover more spectrum than it needs in rural areas. Under the descending clock auction proposed in the Notice of Proposed Rulemaking and described in further detail in the Incentive Auction Rules Option and Discussion report attached thereto, the Commission would establish a clearing target that corresponds to the amount of spectrum that it is seeking to reallocate from broadcast to mobile broadband. This clearing target would correspond to a national reallocation goal, and would not be raised in areas where more spectrum is available. This view was

² See Middle Class Tax Relief and Job Creation Act of 2012, Pub. L. No. 112-96 § 6001(6), 125 Stat. 156 (2012) (defining a broadcast television licensee as “a full-power television station” or “a low-power television station that has been accorded primary status as a Class A television licensee under section 73.6001(a) of title 47, Code of Federal Regulations”).

³ See *id.* § 6403(b)(2) (requiring the Commission to “make all reasonable efforts to preserve, as of the date of the enactment of this Act, the coverage area and population served of each broadcast television licensee, as determined using the methodology described in OET Bulletin 69 of the Office of Engineering and Technology of the Commission”).

confirmed in a blog post by Ruth Milkman, then Chief of the Wireless Telecommunications Bureau, which stated that “we’re looking for a consistent amount of spectrum in the vast majority of the country – there may be less in constrained markets, ***but we aren’t contemplating clearing more in rural markets.***”⁴ This sound approach will help minimize or prevent any detrimental effect on TV translators.

Additionally, an examination of markets where TV translators are heavily used reveals that there would be ample spectrum post-repack on which TV translators could continue to operate. By example, attached hereto is a study of television stations in the Minneapolis, Minnesota television market. There currently are 67 TV translators associated with ten full power and Class A broadcast stations in the Minneapolis market. These translators operate in the areas with the lowest television spectrum usage—with most operating entirely in areas where only one to five station signals are available. If the FCC reallocates 120 MHz for mobile broadband use, as proposed in the National Broadband Plan, 29 channels would remain available for use in these areas. As a result, even if all ten broadcast television stations had translators at the same location, the existing broadcast stations and the translators would occupy, at most, 15 of the 29 available channels.

Even in the event that the Commission needs to choose between mutually exclusive applications for TV translators associated with major broadcast stations and other low power television stations, the FCC historically has demonstrated a preference for translators.⁵ In fact, the NPRM proposes to incorporate this preference in the incentive auction rules by “grant[ing] a priority to applicants that provide the only network service to their communities.”⁶ Again, the Coalition believes this approach is proper to minimize the impact on the most watched television services.

⁴ See Ruth Milkman, A Band Plan that Serves the Public Interest, Official FCC Blog (June 21, 2013), <http://www.fcc.gov/blog/band-plan-serves-public-interest>.

⁵ See *John McCutcheon d/b/a MCC Communications*, 4 FCC Rcd. 2079 (1989) (recognizing the service benefits of providing first network service to 30,000 persons and serving the loss area with a television translator).

⁶ *In the Matter of Expanding the Economic and Innovation Opportunities of Spectrum Through Incentive Auctions*, Notice of Proposed Rulemaking, 27 FCC Rcd. 12357 ¶ 361 (2012).

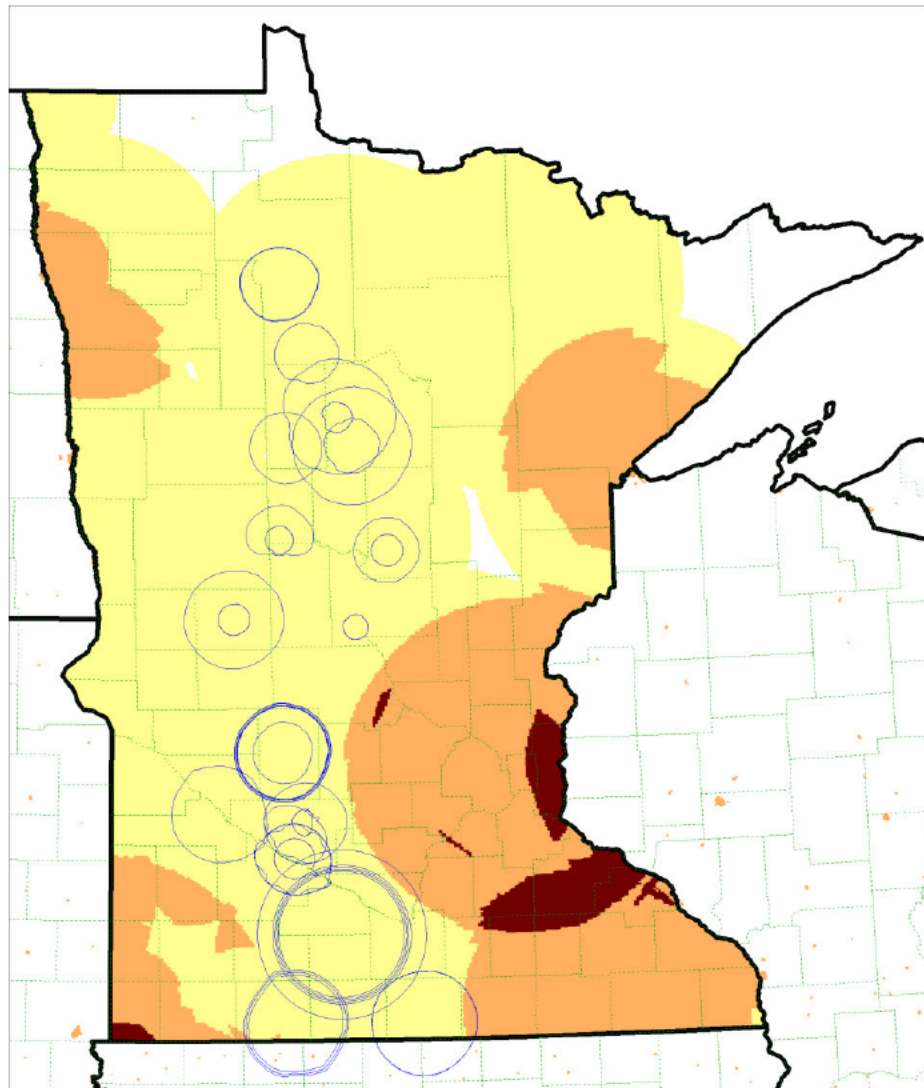
The foregoing demonstrates that the broadcast incentive auction need not impact the availability of TV translator services, especially if the FCC adopts the auction procedures proposed in the NPRM and further clarified by Commission staff.

Respectfully Yours,

/s/ Preston Padden /s/ _____

Preston Padden
Executive Director
Expanding Opportunities for Broadcasters Coalition

The Broadcast Incentive Auction Does Not Have To Impact the Availability of Television Translator Services



Minneapolis Station Translator Use

- Television Translators generally operate in rural areas *not* implicated by the Incentive Auction.
 - The auction is seeking to “buy” spectrum only in areas where reallocation goals cannot be met by repacking alone.
 - Because translators operate in areas that are not served by full power stations, they are not operating in areas where spectrum congestion is a problem.
- EOBC studied television translator use in the Minneapolis, MN market, shown to the left.
 - EOBC found 67 television translators for 10 full power and Class A broadcasters in the Minneapolis market.
 - The translator station noise-limited contours, shown in blue, were overlaid on a map showing the current full power and Class A usage in Minnesota.
 - As shown in the chart, the translators operate in the areas of lowest television usage—the yellow areas depict regions where only 1-5 station signals are available.
- If the FCC reallocates 120 MHz for mobile use through the Incentive Auction, sufficient spectrum to accommodate translators in Minnesota should remain.
 - The reallocation of 120 MHz would leave Channels 2-30 available for television use—a total of 29 channels.
 - As shown in the chart, in the areas where the translators operate, only one-sixth of the channels are being used.
 - Even if all 10 stations had translators at the same location, at most 15 of 29 channels would be used.