

ORIGINAL



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Charles J. Rehwinkel  
Senior Attorney

Law/External Affairs  
Post Office Box 2214  
Tallahassee, FL 32316-2214  
Mailstop FLTLH00107  
Voice 850 847 0244  
Fax 850 878 0777  
charles.j.rehwinkel@mail.sprint.com

RECORDS AND  
REPORTING

Via Hand Delivery

May 15, 2000

Ms. Blanca S. Bayó, Director  
Division of Records and Reporting  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850

Re: Docket No. 990649-TP; Sprint's Supplemental Direct Testimony.

Dear Ms. Bayó:

Enclosed with this letter is the original and 15 copies of the Supplemental Direct testimony of Sprint witnesses James W. Sichter, John A. Holmes, and Steven McMahon. Also included are revised Exhibits SMM-3, SMM-4 & SMM-5; JWS-10; and JAH-2.

Though entitled "supplemental", this testimony is intended to provide a correction to the testimony previously filed on May 1, 2000. The correction is necessitated due to an omission in the Loop Qualification Non-recurring Cost (NRC) study submitted on the same date. Sprint is also enclosing for filing a diskette containing an electronic copy of the revisions made to the NRC study. The testimony and revised NRC study was also transmitted electronically to all parties on May 12, 2000 with instructions for inserting the omitted cost information. Service of the Supplemental Direct testimony is being made on all parties pursuant to the attached certificate of service.

In addition Sprint is filing a Motion to Accept Supplemental Direct Testimony. An original and seven (7) copies of the Motion are enclosed.

Please indicate filing by stamping a copy of this letter and returning same to the undersigned.

Sincerely,

Charles J. Rehwinkel

Enclosure

- FA \_\_\_\_\_
- PP \_\_\_\_\_
- AF \_\_\_\_\_
- MU \_\_\_\_\_
- TR \_\_\_\_\_
- AG \_\_\_\_\_
- EG 2
- AS 5 tag
- JPC \_\_\_\_\_
- RRR \_\_\_\_\_
- SEC I
- NAW \_\_\_\_\_
- OTH \_\_\_\_\_

*Motion*  
DOCUMENT NUMBER-DATE  
05990 MAY 15 8  
FPSC-RECORDS/REPORTING

*Testimony*  
DOCUMENT NUMBER-DATE  
05991 MAY 15 8  
FPSC-RECORDS/REPORTING

**CERTIFICATE OF SERVICE  
DOCKET NO. 990649-TP**

**I HEREBY CERTIFY that a true and correct copy of the Request for Confidentiality Classification was served by U.S. Mail on the 15<sup>th</sup> day of May, 2000 to the following:**

**Angela Green, General Counsel  
Florida Public  
Telecommunications Association  
125 S. Gadsden Street, #200  
Tallahassee, Florida 32301-1525**

**Blumemfeld & Cohen  
Jeremy Marcus/Kristin Smith  
1625 Massachusetts Ave. NW  
Suite 300  
Washington, DC 20036**

**Michael A. Gross  
V.P. Regulatory Affairs  
& Regulatory Counsel  
FCTA Inc.  
310 North Monroe Street  
Tallahassee, Florida 32301**

**AT&T Communications of the  
Southern States, Inc.  
Tracy Hatch  
Rhonda Merritt  
101 North Monroe Street  
Suite 700  
Tallahassee, Florida 32301-1549**

**BellSouth Telecommunications, Inc.  
Ms. Nancy B. White  
c/o Nancy H. Sims  
150 South Monroe Street, Suite 400  
Tallahassee, Florida 32301-1556**

**Beth Keating  
Division of Legal Services  
Florida Public Service Commission  
2540 Shumard Oak Blvd.  
Tallahassee, Florida 32399-0850**

**Pennington Law Firm  
Peter M. Dunbar  
Post Office Box 10095  
Tallahassee, Florida 32302**

**Rutledge Law Firm  
Kenneth Hoffman, Esq.  
Post Office Box 551  
Tallahassee, Florida 32302**

**D. Bruce May, Jr.  
Holland & Knight LLP  
Post Office Drawer 810  
Tallahassee, Florida 32302**

**Kimberly Caswell  
GTE Florida Incorporated  
Post Office Box 110, FLTC0007  
Tampa, Florida 33601**

**Donna McNulty  
MCI WorldCom  
325 John Knox Road  
Suite 105  
Tallahassee, Florida 32303**

David V. Dimlich, Esq.  
Supra Telecommunications &  
Information Systems  
2620 SW 27<sup>th</sup> Avenue  
Miami, Florida 33133

MediaOne Florida  
Telecommunications, Inc.  
Laura L. Gallagher  
204 South Monroe Street  
Suite 201  
Tallahassee, Florida 32301

Time Warner AxS of Florida, L.P.  
Carolyn Marek  
233 Bramerton Court  
Franklin, TN 37069

Covad Communications Company  
Christopher V. Goodpaster  
% Convad Communications  
Company  
2330 Central Expressway  
Santa Clara, CA 95050

e.spire Communications  
James Falvey  
133 National Business Parkway  
Suite 200  
Annapolis Junction, MD 20701

NorthPoint Communications, Inc.  
Glenn Harris, Esq.  
222 Sutter Street, 7<sup>th</sup> Floor  
San Francisco, CA 94108

McWhirter Law Firm  
Joseph McGlothlin/Vicki Kaufman  
117 S. Gadsden Street  
Tallahassee, Florida 32301

Swidler & Berlin  
Eric Branfman/Morton Posner  
3000 K St. NW, #300  
Washington, D.C. 20007-5116

ALLTEL  
Ausley Law Firm  
Jeff Wahlen  
Post Office Box 391  
Tallahassee, Florida 32302

Stephen C. Reilly  
Charles J. Beck  
Office of the Public Counsel  
c/o The Florida Legislature  
111 West Madison Street,  
Room 812  
Tallahassee, Florida 32399-1400

Intermedia Communications, Inc.  
Scott Sappersteinn  
3625 Queen Palm Drive  
Tampa, Florida 33619-1309

MCI WorldCom, Inc.  
Mr. Brian Sulmonetti  
Concourse Corporate Center Six  
Six Concourse Parkway  
Suite 3200  
Atlanta, Georgia 30328

---

Betty Willis  
Alltel Corporate Services, Inc.  
One Allied Drive  
Little Rock, AR 72202

  
Charles J. Rehwinkel

**ORIGINAL**

SPRINT  
DOCKET NO. 990649-TP  
FILED MAY 12, 2000

1 **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2 **SUPPLEMENTAL DIRECT TESTIMONY**

3 **OF**

4 **STEVEN M. MCMAHON**

5

6 **Q. Please state your name and business address.**

7

8 A. My name is Steven M. McMahon. I am employed by  
9 Sprint/United Management Company as Senior Manager-  
10 Network Costing. My business address is 6360 Sprint  
11 Parkway, Overland Park, Kansas 66251.

12

13 **Q. Are you the same Steven M. McMahon that presented**  
14 **prior direct testimony in this case?**

15

16 A. Yes, I am.

17

18 **Q. What is the purpose of your supplemental testimony?**

19

20 A. The purpose of my supplemental testimony is to  
21 introduce and support Exhibit SMM-3, SMM-4 and SMM-5.

22

23 Exhibit SMM-3 is a revised Page 3 of 3 to the Non-  
24 Recurring Charges (NRC) Results Summary section under  
25 the NRC tab of Volume III. The only revision to this

DOCUMENT NUMBER-DATE  
**05991 MAY 15 8**

1 page involves the "Pre-Order Loop Qualification  
2 Inquiry" NRC found in the "Other Charges" section of  
3 that page. This corresponds with the tab labeled  
4 "Cost Summary" within the NRC cost study Excel file.  
5 The reasons for the revision to this NRC are outlined  
6 below.

7  
8 Exhibit SMM-4 is a revision to the description and  
9 methodology section of the Loop Qualification NRC cost  
10 study. This single page replaces the previous single  
11 page found in the "Other Charges" section of the NRC  
12 cost study. This corresponds with the tab labeled  
13 "Loop Qual Summary" in the NRC cost study Excel file.

14  
15 Exhibit SMM-5 includes two (2) revised workpaper pages  
16 which reflect the supporting calculations as described  
17 herein. Pages 1 and 2 of Exhibit SMM-5 replace the  
18 original pages 1 through 3 within the "Installation  
19 Charges - Digital Pre-Order Loop Qualification  
20 Inquiry" portion of the "Other Charges" section of the  
21 NRC cost study. This corresponds with the tab labeled  
22 "Loop Qualification" in the NRC cost study Excel file.

23  
24 The revised Loop Qualification cost study reflects an  
25 additional work function that had not been accounted

1 for in the original cost study. This additional work  
2 time is associated with efforts necessary to research  
3 disturber information. The details of this  
4 modification are reflected per step #4 on page 2 of  
5 exhibit SMM-5, "Installation Charges - Digital Pre-  
6 Order Loop Qualification Inquiry".

7

8 **Q. Were there any other changes made?**

9

10 A. Yes. Step #3 on the same schedule has been modified  
11 to reflect a 100% probability. The five minutes of  
12 time that is required for each loop inquiry to  
13 research electrical parameter data and add the  
14 resultant information to the service order had  
15 previously been apportioned to the percentage of loops  
16 where such electrical parameter data would be found.  
17 This work function and associated time is necessary  
18 regardless of whether electrical parameter data is  
19 found and the cost study has been adjusted  
20 accordingly.

21

22 **Q. What is the result of these revisions?**

23

24 A. The new study and NRC rate of \$28.20 replaces the  
25 previous study and NRC rate of \$23.99.

1

2 Q. Does this conclude your supplemental testimony?

3

4 A. Yes.

5

6

7



### Supplemental NRC Study - Directions

The purpose of the supplemental NRC study described in S. McMahon's supplemental direct testimony filed May 12, 2000 is to revise the loop qualification NRC. The entire NRC Cost Study (Excel file, renamed as FL UNE NRC Model 5-12-00.xls) is provided to maintain the cell references within in the electronic file. Only the Loop Qualification NRC changed. The following describes the changes made to three tabs in the file:

Tab	Change	Location of hard copy
Cost Summary	Other Charges section: Loop Qualification charge updated	Replaces summary pages of NRC study.
Loop Qual Summary	Updated to reflect steps performed.	Remove 4 pages replace with 3 pages after "Other Charges – Trip and NID" and before "Installation Charges – Cooperative Testing."
Loop Qualification		

Installation Charges (continued)	NRC
<b>Switch Features</b>	
Custom Calling Feature Package	\$ 3.25
CLASS Feature Package	\$ 3.90
Centrex Feature Package	\$ 24.86
Direct Connect	\$ 15.73
Conference Calling 6-Way Station Control	\$ 15.73
Multiline Hunt Service	\$ 15.73
Dial Transfer to Tandem Tie Line	\$ 74.54
Meet-Me Conference	\$ 22.84
3-Way Conference/Consultation Hold/Transfer	\$ 15.73
<b>Customized Routing</b>	
Switch Analysis	\$ 86.18
Host Switch Translations	\$ 1,723.60
Remote Switch Translations	\$ 1,292.70
Host TOPS Translations	\$ 344.72
Remote TOPS Translations	\$ 172.36
<b>Operator Services Branding</b>	
0 + Ten Digits	\$ 3,643.19
411	\$ 800.00
<b>Transport</b>	
911 Trunk 2 Wire Analog	\$ 116.44
Transport - DS1 Dedicated - Install	\$ 79.80
Transport - DS1 Migrate	\$ 82.68
Transport - DS3 Dedicated - Install	\$ 86.28
Interoffice Transmission - STP Ports	\$ 238.81
Interoffice Transmission - STP Link (56 kbps)	\$ 151.02
Multiplexing - DS1-DS0	\$ 71.61
Multiplexing - DS3-DS1	\$ 96.36
Dark Fiber Transport - Initial Installation, 1-4 Patch Cords, per C.O.	\$ 171.50

Other Charges	NRC
<b>Other</b>	
SS7 - Originating Point Code Service	\$ 21.55
SS7 - Global Title Address Translation	\$ 10.77
Nid Installation	\$ 17.32
Pre-Order Digital Loop Qualification Inquiry (Reflects supplemental testimony of Steve McMahon)	\$ 26.20
2-Wire Digital Data Loop Cooperative Testing	\$ 31.02
4-Wire Digital Data Loop Cooperative Testing	\$ 39.25
Trouble Isolation and Testing	\$ 37.48
Trip Charge	\$ 15.59
Dark Fiber End-to-End Testing, Initial Strand	\$ 47.51
Dark Fiber End-to-End Testing, Subsequent Strands	\$ 14.40

<b>Installation Charges - Digital Pre-Order Loop Qualification Inquiry</b>	
<p>In response to the FCC's Third Report and Order to unbundle the OSS, Sprint has developed an efficient interim process to provide CLEC's with loop makeup, electrical parameter and disturber data. This data will enable the CLEC to determine the type(s) of service(s) they can sell on specified loops.</p>	
<b>Pre-Order Loop Inquiry</b>	
	<p>The following activities are included in the pre-order loop inquiry process and cost:</p> <ul style="list-style-type: none"> <li>o Service order is generated.</li> <li>o Loop make-up is researched.</li> <li>o Electrical parameters are researched.</li> <li>o Disturber information is researched.</li> <li>o Information researched is recorded on service order.</li> <li>o Service order is closed.</li> <li>o Information is electronically routed to the CLEC.</li> </ul>

**Installation Charges - Digital Pre-Order Loop Qualification Inquiry**

*Pre-Order Loop Inquiry Process - Total*

<i>Department</i>	<i>Cost per Order</i>
NEAC	\$10.66
Field Team	\$17.54
<b>Total</b>	<b>\$28.20</b>

*Pre-Order Loop Inquiry Process - NEAC*

(A)	(B)	(C)	(D)	(E)	(F) (D)/60*(E)	(G)	(F)*(G)
Step #	Step Description	Position Title	Time Estimate (Minutes)	Loaded Labor Rate	Cost	Probability	Weighted Cost
<i>Order Faxed</i>							
1	Faxed order is date and time stamped. Send back receipt confirmation to CLEC.	NEAC Analyst	5	\$26.65	\$2.22		
2	Key into Carrier Access Tracking System (CATS).	NEAC Analyst	5	\$26.65	\$2.22		
3	The request is validated.	NEAC Analyst	5	\$26.65	\$2.22		
4	Service order is generated in the Service Order Entry (SOE) system.	NEAC Analyst	15	\$26.65	\$6.66		
			30		\$13.33	40.00%	\$5.33
<i>Order Sent through IRES</i>							
1	The request is validated.	NEAC Analyst	5	\$26.65	\$2.22		
2	Service order is generated in the Service Order Entry (SOE) system.	NEAC Analyst	15	\$26.65	\$6.66		
			20		\$8.88	60.00%	\$5.33
							<b>\$10.66</b>
*	Probability based on mix of how CLEC orders are received today.						

**Installation Charges - Digital Pre-Order Loop Qualification Inquiry**

**Pre-Order Loop Inquiry Process - Field Team**

(A)	(B)	(C)	(D)	(E)	(F) (D)/60*(E)	(G)	(H) (F)*(G)
Step #	Step Description	Position Title	Time Estimate (Minutes)	Probability	Weighted Time Estimate (Hours)	Loaded Labor Rate	Total Cost
1	Order is pulled from the printer.	Facility Coordinator	1	100.00%	0.0167	\$30.07	\$ 0.50
2	Terminal and cable pair are researched. Mapviewer is accessed. Cable IPID is identified for the loop. Loop makeup is accessed in Mapviewer and loop makeup is run. Loop makeup information is added to the remark section of the service order.	Facility Coordinator	23	100.00%	0.3833	\$30.07	\$ 11.53
3	Electrical Parameters are researched and added to the remark section of the service order.	Facility Coordinator	5	100.00%	0.0833	\$30.07	\$ 2.51
4	Disturber data researched and added to the remark section of the service order.	Facility Coordinator	5	100.00%	0.0833	\$30.07	\$ 2.51
5	The service order is closed.	Facility Coordinator	1	100.00%	0.0167	\$30.07	\$ 0.50
			----- 35				
<b>Total Cost</b>							<b>\$17.54</b>

1                                   **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2                                   **SUPPLEMENTAL DIRECT TESTIMONY**

3                                   **OF**

4                                   **JAMES W. SICHTER**

5  
6           **Q.    Please state your name and business address.**

7  
8           A.   My name is James W. Sichter.   I am Vice President-  
9               Regulatory Policy, for Sprint Corporation.   My  
10              business address is 6360 Sprint Parkway, Overland  
11              Park, Kansas 66251.

12  
13          **Q.    Are you the same James W. Sichter that presented**  
14              **direct testimony in this case?**

15  
16          A.    Yes, I am.

17  
18          **Q.    What is the purpose of your testimony?**

19  
20          A.    The purpose of my testimony is to introduce and  
21               sponsor the revised page 1 of Sprint's Price List per  
22               the attached Exhibit JWS-10. The only change to the  
23               Price List is on page 1, under the third bold heading  
24               labeled "Loops - Digital - Pre-Order Qualification  
25               Inquiry" and involves a revision to the Loop

1                   Qualification Non-Recurring Charge as described in Mr.  
2                   Steven M. McMahon's supplemental direct testimony.

3

4           **Q.    Does that conclude your testimony?**

5

6           **A.    Yes.**

7

8

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**Network Element Price List  
Sprint-Florida**

RATE ELEMENT	RECURRING RATE	NRC	Filing Reference
<b>NON-RECURRING CHARGE (NRC) SUMMARY</b>			
DESCRIPTION		NRC	
<b>Service Order Charges</b>			
Manual Service Order		\$ 22.54	NRC Cost Study
Electronic Service Order		\$ 3.06	
Manual Service Order - Listing Only		\$ 11.88	
Electronic Service Order - Listing Only		\$ 0.33	
Manual Service Order - Change Only		\$ 11.04	
Electronic Service Order - Change Only		\$ 1.33	
LNP Administrative Charge		\$ 6.50	
<b>Loops - Analog</b>			
2-Wire New - First Line		\$ 72.98	NRC Cost Study
2-Wire New - Add'l Line		\$ 23.61	
2-Wire Re-install (CT/DCOP/Migrate)		\$ 14.21	
4-Wire New - First Line		\$ 94.15	
4-Wire New - Add'l Line		\$ 48.42	
4-Wire Re-install (CT/DCOP/Migrate)		\$ 25.90	
<b>Loops - Digital - Pre-Order Qualification Inquiry</b>			
Loop Qualification - required for all Digital Loop Orders (Reflects Supplemental Testimony of S. McMahon)		\$ 28.20	NRC Cost Study
<b>Loops - Digital Data - Cooperative Testing</b>			
2-Wire Digital Data Loop Cooperative Testing		\$ 31.02	
4-Wire Digital Data Loop Cooperative Testing		\$ 39.25	
<b>Loops - High-Capacity</b>			
Add DS3 to existing system		\$ 86.28	NRC Cost Study
Add OC3 to existing system		\$ 86.28	
Add OC12 to existing system		\$ 86.28	
<b>Loops - XDSL-Capable</b>			
All Loops Less Than 18,000 Feet: Load Coil Removal; per XDSL-Capable Loop Order		\$ 1.44	NRC Cost Study
2-Wire XDSL Loop - First Line		\$ 68.84	
2-Wire XDSL Loop - Add'l Line		\$ 19.47	
2-Wire XDSL Loop - Re-install (CT,DCOP, Migrate)		\$ 10.08	
4-Wire XDSL Loop - First Line		\$ 85.58	
4-Wire XDSL Loop - Add'l Line		\$ 37.08	
4-Wire XDSL Loop - Re-install (CT,DCOP, Migrate)		\$ 12.96	
<b>Loops - Digital</b>			
2-Wire ISDN, BRI-IDSL Loop, First Line		\$ 107.11	NRC Cost Study
2-Wire ISDN, BRI-IDSL Loop, Add'l Line		\$ 59.47	
2-Wire ISDN, BRI-IDSL Loop, Re-install (CT,DCOP,Migrate)		\$ 22.65	
56, 64 kbps, DS1, ISDN-PRI Loop - First Line		\$ 121.68	
56, 64 kbps, DS1, ISDN-PRI Loop - Add'l Line		\$ 73.17	
56, 64 kbps, DS1, ISDN-PRI Loop - Re-install (CT,DCOP,Migrate)		\$ 27.40	
<b>Loops - Dark Fiber</b>			
Dark Fiber Loop-Initial Patch Cord Installation, Field Location		\$ 20.16	NRC Cost Study
Dark Fiber Loop - Add'l Patch Cord Install, Field Location, Same Time/Loc		\$ 7.20	
Dark Fiber Loop - Central Office Interconnection, 1-4 Patch Cords/C.O		\$ 171.50	
Dark Fiber Loop - Interconnection		ICB	
<b>Sub-Loops</b>			
Sub-Loop Interconnection (Stub Cable)		ICB	NRC Cost Study
2-Wire First Line		\$ 62.36	
2-Wire Add'l Line		\$ 12.99	
2-Wire Reinstall		\$ 29.45	
4-Wire First Line		\$ 76.22	
4-Wire Add'l Line		\$ 20.79	
4-Wire Reinstall Line		\$ 38.11	
2W Disconnect Charge		\$ 20.79	
4W Disconnect Charge		\$ 25.12	
<b>UNE-Platform Combinations</b>			
UNE-P 2-Wire Analog Loop - First Line, Switching, Common Transport		\$ 72.98	NRC Cost Study
UNE-P 2-Wire Analog Loop - Add'l Line ordered same time to same location, Switching, Common Transport		\$ 23.61	
UNE-P 2-Wire Analog Loop - Migrate Loop, Switching, Common Transport		\$ 14.21	
<b>Enhanced Extended Link; Loop, 1/0 Mux, DS1 Transport</b>			
EEL 1 - 2-Wire Analog - First Line		\$ 224.39	NRC Cost Study
EEL 1 - 2-Wire Analog - 2nd through 24th Lines, ordered same time for same location		\$ 95.22	
EEL 1 - 2-Wire Analog - 2nd through 24th Lines, ordered different times		\$ 144.59	
EEL 1 - 4-Wire Analog - First Line		\$ 245.56	
EEL 1 - 4-Wire Analog - 2nd through 24th Lines, ordered same time for same location		\$ 120.03	
EEL 1 - 4-Wire Analog - 2nd through 24th Lines, ordered different times		\$ 165.76	
EEL 1 - 2-Wire Digital Loop, First Line		\$ 258.53	
EEL 1 - 2-Wire Digital, 2nd through 24th Lines, ordered same time for same location		\$ 131.09	
EEL 1 - 2-Wire Digital, 2nd through 24th Lines, ordered different times		\$ 178.73	
EEL 1 - 4-Wire Digital Loop - First Line		\$ 273.09	
EEL 1 - 4-Wire Digital, 2nd through 24th Lines, ordered same time for same location		\$ 144.79	
EEL 1 - 4-Wire Digital, 2nd through 24th Lines, ordered different times		\$ 193.29	
<b>Enhanced Extended Link; DS1 Loop, DS1 Transport</b>			
EEL 2 - DS1 Loop, DS1 Interoffice Transport		\$ 201.48	NRC Cost Study
EEL 2 - DS1 Loop, DS1 Transport - Migrate		\$ 82.68	
<b>Enhanced Extended Link; DS1 Loop, 3/1 Mux, DS3 Transport</b>			
EEL 3 - DS1 Loop - First DS1, DS1/3 Multiplexing, DS3 Interoffice Transport		\$ 304.32	NRC Cost Study
EEL 3 - DS1 Loop - 2nd through 28th DS1's, DS1/3 Multiplexing, ordered same time for same location		\$ 169.53	
EEL 3 - DS1 Loop - 2nd through 28th DS1's, DS1/3 Multiplexing, ordered different times		\$ 218.04	
EEL 3 - DS1 Loop - Migrate DS1 to CLEC DS3		\$ 82.68	



1                   **BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION**

2                   **SUPPLEMENTAL DIRECT TESTIMONY**

3                   **OF**

4                   **JOHN A. HOLMES**

5

6   **Q.   Please state your name and business address.**

7

8   **A.   My name is John A. Holmes. My business address is 901**  
9       **East 104th Street, Kansas City, Missouri, 64131.**

10

11   **Q.   Are you the same John A. Holmes who presented prior**  
12       **direct testimony in this case?**

13

14   **A.   Yes, I am.**

15

16   **Q.   What is the purpose of your supplemental testimony in**  
17       **this proceeding?**

18

19   **A.   The purpose of my supplemental direct testimony is to**  
20       **provide clarification and correction to my previous**  
21       **testimony relative to usage sensitive Circuit**  
22       **Switching costs.**

23

24   **Q.   Please describe the correction you are proposing.**

1 A. In my direct testimony, when describing the cost  
2 methodology associated with UNE-P switching costs, I  
3 described how a higher level of Traffic Sensitive (TS)  
4 switching investment is required to provide GR-303  
5 switch interfaces, which in turn eliminates the Non-  
6 Traffic Sensitive (NTS) costs for switch line cards.  
7 While the line card costs were eliminated, it was  
8 decided to not apply the corresponding increase in TS  
9 investment as suggested in my original testimony.  
10 While conceptually correct, subsequent analysis  
11 completed during the late stages of cost development  
12 showed the overall cost impact to be insignificant.  
13 As a result, the originally proposed cost increase to  
14 usage sensitive switching costs was not necessary,  
15 consistent with the prices filed. The corresponding  
16 verbiage in my initial testimony and UNE-P exhibits of  
17 Volume 1 showing the proposed usage sensitive cost  
18 increase were not modified to reflect this late  
19 methodology change.

20

21 **Q. Are changes necessary to the usage-sensitive switching**  
22 **rates proposed by Sprint?**

23

1 A. No. The usage sensitive rates as filed by Sprint in  
2 the Direct Testimony of Jim Sichter are correct. No  
3 changes have been made.

4

5 **Q. What specific verbiage changes are proposed to your**  
6 **testimony and supporting exhibits that have been**  
7 **filed?**

8

9 A. The following changes and associated exhibits are  
10 proposed:

11 In my testimony, page 20, lines 1-10, strike the  
12 four sentences referring to the Traffic Sensitive cost  
13 adjustment.

14 In Volume 1 of Sprint's filing, behind the UNE-P  
15 tab, the first 19 pages should be replaced with the  
16 documents attached as Exhibit JAH-2. These are simply  
17 the switching cost exhibits associated with UNE-P cost  
18 development. The narrative associated with Switching  
19 Cost Methodology has been modified to eliminate  
20 reference to any upwards cost adjustments for Traffic  
21 Sensitive differences between IDLC and non-IDLC  
22 switched lines. The old exhibits, pages 7 through 9,  
23 have been removed, as they are the traffic sensitive  
24 cost calculations that do not apply. The final 10  
25 pages are simply the wire center specific loop and

1 port cost detail adjusted for GR-303 cost  
2 efficiencies. All references to the usage-sensitive  
3 cost adder have been removed consistent with the  
4 deaveraged pricing exhibits attached to the testimony  
5 of Sprint's witness, Mr. Jim Sichter.

6

7 **Q. Does this conclude your supplemental testimony?**

8

9 **A. Yes, it does.**

**SUPPLEMENTAL  
UNE-P COST STUDY**

**Sprint Florida, Inc.**

**May 12, 2000**

**Supplemental UNE-P COST STUDY**

Table of Contents

- A. Purpose
- B. Scope
- C. Introduction
- D. Assumptions
- E. Methodology
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- G. UNE-P Cost Study Results

**A. Purpose**

The purpose of the UNE-P cost study is to determine the monthly TELRIC of a 2-wire loop and switching combination.

**B. Scope**

The cost results developed are state specific and apply only to the Sprint company serving area identified.

**C. Introduction**

The Telecommunications Act of 1996 (Act) states:

Provide to any requesting carrier non-discriminatory access to network elements

- On an unbundled basis
- At any technically feasible point
- At rates and terms that are just, reasonable and non-discriminatory
- In accordance with the interconnection agreement
- In a manner that allows the requesting carrier to combine network elements to provide its telecommunications service (251(c)(3))

In Paragraph 479 of FCC 99-238, the FCC states,

“A number of commenters argue that we should reaffirm the Commission’s decision in the *Local Competition First Report and Order*. In that order the Commission concluded that the proper reading of “currently combines” in rule 51.315(b) means “ordinarily combined within their network, in the manner which they are typically combined.” Incumbent LECs, on the other hand, argue that rule 51.315(b) only applies to unbundled network elements that are currently combined and not to elements that are “normally” combined. Again, because this matter is currently pending before the Eighth Circuit, we decline to address these arguments at this time.”

**D. Assumptions**

- All assumptions applicable to the loop cost study are applicable to the UNE-P cost study with the exception that Integrated Digital Loop Carrier (IDLC) systems are used to provision loop and switching combinations. IDLC systems utilize GR-303 technology.
- All assumptions applicable to the switching cost study are applicable to the UNE-P cost study with the exception that an adjustment is made to account for the positive economies realized when using GR-303.
- Combining other loop and switching elements do not result in benefits. The cost of a platform for elements other than 2-wire loops and switching will be the sum of the component costs of the elements.

**E. Methodology**

Essentially, the cost for a UNE platform is the sum of the cost of all the elements in the platform. The elements of the UNE-P for this filing consist of a 2-wire loop and switching. The benefits that result are related to using a GR-303 switch interface. The

primary difference in the cost of a loop and port that is sold in combination and those elements purchased on a stand alone basis is the result of the technology used to provide the elements. The technical difference between unbundled loops and ports purchased as part of an element platform is that the GR-303 interface is used as opposed to an analog interface. With GR-303, the IDLC Remote Terminal (RT) is integrated with the central office switch, which permits the trunk serving the remote terminal to directly interface with the switch. Thus, the positive economies for loops sold in combination with switching are related to differences in labor and material in the IDLC system and to the substitution of line-ended to trunk-ended switch interfaces.

### Loop Methodology

For a general overview of the process to determine loop costs, refer to the Local Loop Cost Study. The material costs of DLCs using GR-303 were entered into BCPM, with all other inputs being unchanged from the calculations used for stand alone loops. The investment results for the loop to be sold in combination with switching were then entered into the Sprint TELRIC UNE Model (TELRIC Model), where loop costs were derived by exchange. A discussion on how the TELRIC Model calculates cost may be found in the Local Loop Cost Study – Methods. Once loop cost results were identified, the results are added to switching cost results to form the UNE-P 2-wire loop and switching element.

### Switch Cost Methodology

Removal of the switch line port for lines served by a GR-303 switch interface results in the elimination of the non-traffic sensitive (port) switching cost. The removal of the switch line port applies only to loops served through the GR-303 switch interfaces and does not apply to copper loops. The corresponding ratio of copper served and GR-303 served loops was obtained from BCPM for each exchange. An adjustment to the switch port cost was determined from this ratio. To account for the impact to each exchange, the adjustment was applied by wire center to obtain a specific switch port cost weighted by the ratio of GR-303 served lines; resulting in adjusted switching costs.

Each Wire Center's Adjusted Loop and Switching Cost were added together to obtain a composite loop and switching cost by Wire Center. The loop and switching costs were then multiplied by a common cost factor to obtain the Wire Center specific UNE-P rate.

### **F. Non-recurring charges**

Non-recurring charges related to UNE platforms are presented in the Non-recurring cost study.



**G. UNE-P Cost Study Results**

Sprint - UNE-P Cost Study

LOOP COSTS FROM "LOOP02"

	B	C	D
	Exchange	Wire Center	Monthly Cost (TELRIC)
7	Alva	ALVAFLXARS0	\$44.28
8	Apopka	APPKFLXADS1	\$19.35
9	Arcadia	ARCDFLXADS0	\$35.62
10	Astor	ASTRFLXARS0	\$42.98
11	Avon Park	AVPKFLXADS0	\$27.86
12	Baker	BAKRFLXADS0	\$80.32
13	Belleview	BLWVFLXADS0	\$22.22
14	Beverly Hills	BVHLFLXADS0	\$22.15
15	Boca Grande	BCGRFLXARS0	\$15.81
16	Bonifay	BNFYFLXARS0	\$52.02
17	Bonita Springs	BNSPFLXADS1	\$14.80
18	Bowling Green	BWLGFLXARS0	\$41.91
19	Buenaventura Lakes	KSSMFLXDRS0	\$13.34
20	Bushnell	BSHNFLXADS0	\$38.27
21	Cape Coral	CPCRFLXADS0	\$15.25
22	Cape Haze	CPHZFLXADS0	\$23.73
23	Casselberry	CSLBFLXADS1	\$13.83
24	Chassahowitzka	CHSWFLXARS0	\$25.82
25	Cherry Lake	CHLKFLXARS0	\$78.67
26	Clermont	CLMTFLXADS0	\$20.25
27	Clewiston	CLTNFLXARS0	\$32.72
28	Cottdale	CTDLFLXARS0	\$75.29
29	Crawfordville	CFVLFLXADS0	\$39.10
30	Crestview	CRVWFLXADS0	\$23.05
31	Crystal River	CRRVFLXADS0	\$26.55
32	Cypress Lake XA	CYLKFLXADS0	\$14.62
33	Cypress Lake XB	CYLKFLXBRS0	\$13.41
34	Dade City	DDCYFLXADS1	\$25.30
35	Defuniak Springs	DFSPFLXADS0	\$42.14
36	Deltona Lakes	ORCYFLXCRS0	\$20.58
37	Destin	DESTFLXADS0	\$13.02
38	East Fort Myers	FTMYFLXBDS0	\$20.64
39	Eustis	ESTSFLXADS0	\$24.13
40	Everglades	EVRFGLXARS0	\$73.19
41	Forest	OCNFFLXARS0	\$41.26
42	Fort Meade	FTMDFLXARS0	\$31.07
43	Fort Myers	FTMYFLXADS0	\$13.27
44	Fort Myers Beach	FTMBFLXADS0	\$12.36
45	Fort Walton Beach XA	FTWBFLXADS0	\$12.51
46	Fort Walton Beach XB	FTWBFLXBDS0	\$12.63
47	Fort Walton Beach XC	FTWBFLXCRS0	\$14.54
48	Freeport	FRPTFLXARS0	\$56.82
49	Glendale	GLDLFLXARS0	\$112.79
50	Golden Gate	GLGCFLXADS0	\$18.25
51	Goldenrod	GLRDFLXADS0	\$14.14
52	Grand Ridge	GDRGFLXADS0	\$83.62
53	Greenville	GNVFLXARS0	\$96.43
54	Greenwood	GNWDFLXARS0	\$58.43
55	Groveland	GVLDFLXARS0	\$40.96
56	Highlands	OCALFLXCRS0	\$16.64
57	Homosassa Springs	HMSPFLEXARS0	\$30.03
58	Howey in the Hills	HOWYFLXARS0	\$31.23
59	Immokalee	IMKLFLXARS0	\$36.52
60	Inverness	INVRFLXADS0	\$27.97
61	Kenansville	KNVLFLXARS0	\$126.99
62	Kingsley Lake	KGLKFLXARS0	\$93.23
63	Kissimmee	KSSMFLXADS0	\$17.10
64	Labelle	LBLLFLXADS0	\$38.29
65	Lady Lake	LDLKFLXADS0	\$16.01
66	Lake Brantley	LKBRFLXADS1	\$12.52
67	Lake Helen	LKHLFLXARS0	\$28.92
68	Lake Placid	LKPCFLXARS0	\$37.85
69	Lawtey	LWTFYFLXARS0	\$60.33
70	Lee	LEE FLXARS0	\$101.40
71	Leesburg	LSBGFLXADS1	\$18.38
72	Lehigh Acres	LHACFLXADS0	\$23.81

	Exchange	Wire Center	Monthly Cost (TELRIC)
73	Madison	MDSNFLXADS0	\$38.91
74	Maitland XA	MTLDFLXADS1	\$6.68
75	Malone	MALNFLXARS0	\$90.25
76	Marco Island	MOISFLXADS0	\$16.29
77	Marianna	MRNNFLXADS0	\$31.91
78	Monticello	MNTIFLXADS0	\$66.14
79	Montverde	MTVRFLXARS0	\$23.04
80	Moora Haven	MRHNFLXARS0	\$39.06
81	Mount Dora	MTDRFLXADS0	\$22.00
82	Naples Moorings	NPLSFLXDDS0	\$11.71
83	Naples Southeast	NPLSFLXCDS0	\$16.51
84	North Cape Coral	CPCRFLXBDS1	\$18.76
85	North Fort Myers	NFMYFLXBDS0	\$20.36
86	North Fort Myers XA	NFMYFLXADS0	\$15.46
87	North Naples	NNPLFLXADS1	\$11.59
88	Ocala XA	OCALFLXADS0	\$19.54
89	Okeechobee	OKCBFLXADS0	\$34.06
90	Oklawaha	OKLWFLXADS0	\$40.12
91	Orange City	ORCYFLXADS0	\$16.80
92	Panacea	PANCFLXARS0	\$49.27
93	Pine Island	PNISFLXADS0	\$25.20
94	Ponce de Leon	PNLNFLXARS0	\$88.95
95	Port Charlotte	PTCTFLXADS0	\$18.35
96	Punta Gorda	PNGRFLXADS1	\$24.81
97	Reynolds Hill	RYHLFLXARS0	\$120.82
98	Saint Cloud	STCDFLXADS0	\$27.07
99	Saint Marks	STMKFLXARS0	\$78.71
100	Salt Springs	SSPRFLXARS0	\$48.34
101	San Antonio	SNANFLXARS0	\$36.05
102	Sanibel Island	SNISFLXADS0	\$18.55
103	Santa Rosa Beach	SNRSFLXARS0	\$25.67
104	Seagrove Beach	SGBHFLXARS0	\$24.40
105	Sebring	SBNGFLXADS1	\$21.71
106	Shady Road	OCALFLXBDS0	\$21.96
107	Shalimar	SHLMFLXADS0	\$10.62
108	Silver Springs	SVSPFLXARS0	\$31.63
109	Silver Springs Shores	SVSSFLXARS0	\$21.63
110	Sneads	SNDSFLXARS0	\$49.35
111	Sopchoppy	SPCPFLXADS0	\$90.01
112	South Fort Myers	FTMYFLXCDS2	\$11.68
113	Spring Lake	SLHLFLXARS0	\$35.65
114	Starke	STRKFLXADS0	\$35.07
115	Tallahassee - Blairstone	TLHSFLXDDS0	\$17.08
116	Tallahassee - Calhoun	TLHSFLXADS0	\$7.71
117	Tallahassee - FSU	TLHSFLXEDS0	\$6.94
118	Tallahassee - Mabry	TLHSFLXCDS0	\$20.04
119	Tallahassee - Perkins	TLHSFLXHDS0	\$17.95
120	Tallahassee - Thomasville	TLHSFLXFDS0	\$22.15
121	Tallahassee - Willis	TLHSFLXBDS0	\$13.62
122	Tallahassee XG	TLHSFLXGDS0	\$40.66
123	Tavares	TVRSFLXADS0	\$18.90
124	Trilacoochee	TLCHFLXARS0	\$42.95
125	Umatilla	UMTLFLXARS0	\$39.18
126	Valparaiso	VLPRFLXBRS0	\$13.83
127	Valparaiso	VLPRFLXADS0	\$14.51
128	Wauchula	WCHFLXADS0	\$34.33
129	West Kissimmee	KSSMFLXBDS1	\$15.56
130	Westville	WSTVFLXARS0	\$104.69
131	Wildwood	WLWDFLXARS0	\$33.59
132	Williston	WLSTFLXARS0	\$51.35
133	Windermere	WDRFLXARS0	\$16.08
134	Winter Garden	WNGRFLXADS0	\$17.31
135	Winter Park	WNPFLXADS1	\$12.16
136	Zolfo Springs	ZLSPFLXARS0	\$65.00
137	Alford	ALFRFLXARS0	\$71.56
138	Altamonte Springs	ALSPFLXADS0	\$12.98

Sprint - UNE-P Cost Study

	B	C	D	E	F	G
	Host Exchange	Loop Exchange	CLLI	UNE (TELRIC) Port Cost (with common)	Percent Analog Access Lines	UNE-P Port Costs (with common)
8	Alford	Alford	ALFRFLXARS0	\$3.00	0.00%	\$0.00
9	Alva	Alva	ALVAFXLARS0	\$2.97	0.00%	\$0.00
10	Cottondale	Cottondale	CTDLFLXARS0	\$4.03	0.00%	\$0.00
11	CrawfordvilleD100	Crawfordville	CFVLFLXADS0	\$3.05	0.00%	\$0.00
13	Freeport	Freeport	FRPTFLXARS0	\$4.42	0.00%	\$0.00
14	Grand RidgeD10	Grand Ridge	GDRGFLXADS0	\$3.39	0.00%	\$0.00
15	Greenville	Greenville	GNVLFLXARS0	\$3.33	0.00%	\$0.00
16	Kingsley Lake	Kingsley Lake	KGLKFLXARS0	\$3.33	0.00%	\$0.00
17	Lawtey	Lawtey	LWTYFLXARS0	\$3.32	0.00%	\$0.00
18	Lee	Lee	LEE FLXARS0	\$4.89	0.00%	\$0.00
19	Maione	Maione	MALNFLXARS0	\$4.03	0.00%	\$0.00
20	Oklawaha	Oklawaha	OKLWFLXADS0	\$3.33	0.00%	\$0.00
21	Panacea	Panacea	PANCFXLARS0	\$3.33	0.00%	\$0.00
22	Ponce De Leon	Ponce de Leon	PNLNFLXARS0	\$4.42	0.00%	\$0.00
23	San Antonio	San Antonio	SNANFLXARS0	\$3.62	0.00%	\$0.00
24	Santa Rosa Beach	Santa Rosa Beach	SNRSFLXARS0	\$4.06	0.00%	\$0.00
25	SopchoppyD10	Sopchoppy	SPCPFLXADS0	\$4.95	0.00%	\$0.00
26	Westville	Westville	WSTVFLXARS0	\$4.03	0.00%	\$0.00
27	Salt Springs	Salt Springs	SSPRFLXARS0	\$4.38	0.00%	\$0.00
28	North NaplesD100	North Naples	NNPLFLXADS1	\$2.98	4.03%	\$0.12
29	Reynolds Hill	Reynolds Hill	RYHLFLXARS0	\$4.03	3.38%	\$0.14
30	Sanibel Island	Sanibel Island	SNISFLXADS0	\$3.33	6.54%	\$0.22
31	TallyThomasville893D100	Tallahassee - Thomasville	TLHSFLXFDS0	\$2.46	8.94%	\$0.22
32	Deltona Lakes	Deltona Lakes	ORCYFLXCORS0	\$2.46	9.44%	\$0.23
33	Kenansville	Kenansville	KNVLFLXARS0	\$2.46	9.74%	\$0.24
34	Cherry Lake	Cherry Lake	CHLKFLXARS0	\$2.83	8.84%	\$0.25
35	Cypress Lake XB	Cypress Lake XB	CYLKFLXBRS0	\$2.92	9.50%	\$0.28
36	Cypress LakeD100	Cypress Lake XA	CYLKFLXADS0	\$2.92	9.59%	\$0.28
37	Cape HazeD100	Cape Haze	CPHZFLXADS0	\$2.81	10.69%	\$0.30
38	Glendale	Glendale	GLDLFLXARS0	\$4.42	6.79%	\$0.30
39	Homosassa Springs	Homosassa Springs	HMSPFXLARS0	\$3.37	9.35%	\$0.32
40	Trilacoochee	Trilacoochee	TLCHFLXARS0	\$3.62	8.97%	\$0.33
41	Tallahassee (EDS0)	Tallahassee (EDS0)	TLHSFLXEDS0	\$3.33	10.22%	\$0.34
42	Pine Island	Pine Island	PNISFLXADS0	\$3.33	10.82%	\$0.36
43	Lady Lake	Lady Lake	LDLKFLXADS0	\$2.46	15.64%	\$0.39
44	BakerD10	Baker	BAKRFLXADS0	\$2.85	14.03%	\$0.40
45	Bushnell	Bushnell	BSHNFLXADS0	\$2.46	16.25%	\$0.40
46	Chassahowitzka	Chassahowitzka	CHSWFLXARS0	\$3.33	12.63%	\$0.42
47	Bonita Springs5E	Bonita Springs	BNSPFLXADS1	\$2.46	17.27%	\$0.43
48	OcalaD100	Ocala XA	OCALFLXADS0	\$2.83	15.55%	\$0.44
49	Reedy CreekD100	West Kissimmee	KSSMFLXBDS1	\$3.06	14.38%	\$0.44
50	Spring Lake Hills	Spring Lake	SLHLFLXARS0	\$3.39	13.26%	\$0.45
52	Kissimmee5E	Kissimmee	KSSMFLXADS0	\$2.46	19.10%	\$0.47
53	Shady Road	Shady Road	OCALFLXBDS0	\$3.16	15.02%	\$0.48
54	Lake Helen	Lake Helen	LKHLFLXARS0	\$3.33	14.43%	\$0.48
55	TallyPerkinsD100	Tallahassee - Perkins	TLHSFLXHDS0	\$2.68	17.91%	\$0.48
56	Punta Gorda5E	Punta Gorda	PNGRFLXADS1	\$2.46	19.71%	\$0.49
57	SebringD100	Sebring	SBNGFLXADS1	\$2.68	19.03%	\$0.51
58	TallyBlairstone877D100	Tallahassee - Blairstone	TLHSFLXDDS0	\$2.67	19.12%	\$0.51
59	Avon ParkD100/200	Avon Park	AVPKFLXADS0	\$3.13	17.42%	\$0.55
60	Naples Southeast5E	Naples Southeast	NPLSFLXCDS0	\$2.46	22.15%	\$0.55
61	Lake Placid	Lake Placid	LKPCFLXARS0	\$3.39	16.80%	\$0.57
62	Port Charlotte5E	Port Charlotte	PTCTFLXADS0	\$2.46	23.16%	\$0.57
63	Williston	Williston	WLSTFLXARS0	\$3.73	15.43%	\$0.58
64	Crystal River	Crystal River	CRRVFLXADS0	\$3.33	17.59%	\$0.59
65	BellevueD100	Bellevue	BLVWFLXADS0	\$2.84	20.77%	\$0.59
66	Winter Garden5E	Winter Garden	WNGRFLXADS0	\$2.46	23.97%	\$0.59
67	Mt. Dora	Mount Dora	MTDRFLXADS0	\$2.46	24.18%	\$0.60
68	LaBelleD100	Labelle	LBLFLXADS0	\$2.86	20.95%	\$0.60
69	TallyWoodvilleD10	Tallahassee XG	TLHSFLXGDS0	\$3.19	18.84%	\$0.60
70	Windermere	Windermere	WNRFLXARS0	\$3.65	16.46%	\$0.60
71	BuenaVentura Lakes	Buenaventura Lakes	KSSMFLXDRS0	\$2.46	25.60%	\$0.63
72	Eustis	Eustis	ESTSFLXADS0	\$2.46	25.60%	\$0.63

	Host Exchange	Loop Exchange	CLLI	UNE (TELRIC) Port Cost (with common)	Percent Analog Access Lines	UNE-P Port Costs (with common)
73	DestinD100	Destin	DESTFLXADS0	\$2.58	24.84%	\$0.64
74	Fort Walton Beach XC	Fort Walton Beach XC	FTWBFLXCRS0	\$3.13	20.78%	\$0.65
75	North Cape Coral5E	North Cape Coral	CPCRFLXBDS1	\$2.46	26.41%	\$0.65
76	Umatilla	Umatilla	UMTLFLXARS0	\$3.44	18.90%	\$0.65
77	CrestviewD100/200	Crestview	CRVWFLXADS0	\$2.46	27.83%	\$0.69
78	GoldenGate5E	Golden Gate	GLGCFLXADS0	\$2.46	28.04%	\$0.69
79	Okeechobee	Okeechobee	OKCBFLXADS0	\$3.33	20.74%	\$0.69
80	LeesburgD100	Leesburg	LSBGFLXADS1	\$2.85	24.54%	\$0.70
81	Naples MooringsD100	Naples Moorings	NPLSFLXDDS0	\$2.99	23.41%	\$0.70
82	DeFuniak SpringsD100	DeFuniak Springs	DFSPFLXADS0	\$2.46	28.85%	\$0.71
83	WNPKGGoldenrodD100	Goldenrod	GLRDFLXADS0	\$3.01	23.56%	\$0.71
84	Beverly Hillsd100	Beverly Hills	BVHLFLXADS0	\$2.56	28.08%	\$0.72
85	MariannaD100/200	Marianna	MRNNFLXADS0	\$2.46	30.27%	\$0.75
86	TallyCalhoun222D100	Tallahassee - Calhoun	TLHSFLXADS0	\$2.83	26.51%	\$0.75
87	ClermontD100	Clermont	CLMTFLXADS0	\$2.46	30.90%	\$0.76
88	ApopkaD100	Apopka	APPKFLXADS1	\$4.03	19.12%	\$0.77
89	TavaresD100	Tavares	TVRSFLXADS0	\$2.68	29.11%	\$0.78
90	Groveland	Groveland	GVLDFLXARS0	\$4.03	20.62%	\$0.83
91	Silver Springs Shores	Silver Springs Shores	SVSSFLXARS0	\$3.68	22.83%	\$0.84
92	Astor	Astor	ASTRFLXARS0	\$2.98	28.37%	\$0.85
93	TallyWillisRd385D100	Tallahassee - Willis	TLHSFLXBDS0	\$2.46	34.34%	\$0.85
94	Everglades	Everglades	EVRGFLXARS0	\$3.33	25.71%	\$0.86
95	Dade CityD100	Dade City	DDCYFLXADS1	\$2.75	31.29%	\$0.86
96	Seagrove Beach	Seagrove Beach	SGBHFLXARS0	\$4.06	21.92%	\$0.89
97	MonticelloD100	Monticello	MNTIFLXADS0	\$2.99	30.10%	\$0.90
98	St. Marks	Saint Marks	STMKFLXARS0	\$5.84	15.41%	\$0.90
99	Zolfo Springs	Zolfo Springs	ZLSPFLXARS0	\$3.33	27.33%	\$0.91
100	WNPKLk.BrantleyD100	Lake Brantley	LKBRFLXADS1	\$3.02	30.42%	\$0.92
101	S. Ft. Myers5E	South Fort Myers	FTMYFLXCDS2	\$2.46	37.79%	\$0.93
102	WNPKCasselberryD100	Casselberry	CSLBFLXADS1	\$2.81	33.50%	\$0.94
104	Wildwood	Wildwood	WLWDFLXARS0	\$4.34	22.14%	\$0.96
105	WNPKAltamonte SpringsD100	Altamonte Sprintgs	ALSPFLXADS0	\$3.00	32.32%	\$0.97
106	Moroco Island	Moroco Island	MOISFLXADS0	\$3.33	29.76%	\$0.99
107	Winter ParkD100	Winter Park	WNPKFLXADS1	\$3.01	34.19%	\$1.03
108	Cape Coral5e	Cape Coral	CPCRFLXADS0	\$3.37	30.84%	\$1.04
109	St. Cloud	Saint Cloud	STCDFLXADS0	\$2.46	42.28%	\$1.04
110	TallyMabry575D100	Tallahassee - Mabry	TLHSFLXCDS0	\$2.89	36.72%	\$1.06
111	Lehigh Acres D100	Lehigh Acres	LHACFLXADS0	\$3.15	34.27%	\$1.08
112	N. Ft. MyersD100	North Fort Myers XA	NFMYFLXADS0	\$3.14	35.52%	\$1.12
113	Orange CityD100	Orange City	ORCYFLXADS0	\$3.27	34.29%	\$1.12
114	Moore Haven	Moore Haven	MRHNFLXARS0	\$3.33	34.27%	\$1.14
115	Silver Springs	Silver Springs	SVSPFLXARS0	\$3.68	30.98%	\$1.14
116	Valparaiso	Valparaiso	VLPRFLXBRS0	\$2.68	42.92%	\$1.15
117	StarkeD10	Starke	STRKFLXADS0	\$3.32	35.20%	\$1.17
118	ValparaisoD100	Valparaiso	VLPRFLXADS0	\$2.68	44.78%	\$1.20
119	E. Ft. Meyers	E. Ft. Meyers	FTMYFLXBDS0	\$3.33	36.38%	\$1.21
120	Ft. Walton Beach-243-D100/200	Fort Walton Beach XA	FTWBFLXADS0	\$3.13	39.32%	\$1.23
121	Highlands	Highlands	OCALFLXCRS0	\$3.33	37.88%	\$1.26
122	Greenwood	Greenwood	GNWDFLXARS0	\$4.03	32.03%	\$1.29
123	Ft. Meyers Beach	Ft. Meyers Beach	FTM8FLXADS0	\$3.33	39.08%	\$1.30
124	Arcadia5E	Arcadia	ARCDFLXADS0	\$3.44	38.97%	\$1.34
125	Ft. MyersD100	Fort Myers	FTMYFLXADS0	\$3.06	44.13%	\$1.35
126	MadisonD100	Madison	MDSNFLXADS0	\$3.28	47.90%	\$1.57
127	Sneads	Sneads	SNDSFLXARS0	\$4.03	40.00%	\$1.61
128	Montverde	Montverde	MTVRFLXARS0	\$2.46	67.69%	\$1.67
129	Immokalee	Immokalee	IMKLFLXARS0	\$3.94	43.61%	\$1.72
130	DentinD100	Fort Walton Beach XB	FTWBFLXBDS0	\$2.94	58.76%	\$1.73
131	Bonifay	Bonifay	BNFYFLXARS0	\$4.03	46.68%	\$1.88
132	ShalimarD100	Shalimar	SHLMFLXADS0	\$3.46	56.91%	\$1.97
133	WNPKMaitlandParkD100	Maitland XA	MTLDFLXADS1	\$3.29	62.33%	\$2.05
134	Howey	Howey in the Hills	HOWYFLXARS0	\$4.34	47.75%	\$2.07
135	Clewiston	Clewiston	CLTNFLXARS0	\$4.09	52.03%	\$2.13
136	Boca Grande	Boca Grande	BCGRFLXARS0	\$4.06	62.99%	\$2.56
137	Ft. Meade	Fort Meade	FTMDFLXARS0	\$3.86	67.55%	\$2.61
138	Bowling Green	Bowling Green	BWLGFLXARS0	\$3.86	67.91%	\$2.62

Sprint - UNE-P Cost Study

A	B	C	D	E	F	G
Exchange	CLLI Code	UNE-P Port Costs (no common)	Total Loop Cost	Adj Switch + Loop Costs	Common Cost Factor	Total UNE-P Cost (with common)
Tallahassee (EDS0)	TLHSFLXEDS0	\$0.34	\$6.94	\$7.28	1.15	\$8.37
Tallahassee - Calhoun	TLHSFLXADS0	\$0.75	\$7.71	\$8.46	1.15	\$9.72
Maitland XA	MTLDFLXADS1	\$2.05	\$6.68	\$8.73	1.15	\$10.04
North Naples	NNPLFLXADS1	\$0.12	\$11.59	\$11.71	1.15	\$13.46
Naples Moorings	NPLSFLXDDS0	\$0.70	\$11.71	\$12.41	1.15	\$14.27
Shalimar	SHLMFLXADS0	\$1.97	\$10.62	\$12.59	1.15	\$14.47
South Fort Myers	FTMYFLXCDS2	\$0.93	\$11.68	\$12.61	1.15	\$14.50
Winter Park	WNPKFLXADS1	\$1.03	\$12.16	\$13.19	1.15	\$15.17
Lake Brantley	LKBRFLXADS1	\$0.92	\$12.52	\$13.44	1.15	\$15.45
Ft. Meyers Beach	FTMBFLXADS0	\$1.30	\$12.36	\$13.66	1.15	\$15.71
Destin	DESTFLXADS0	\$0.64	\$13.02	\$13.66	1.15	\$15.71
Cypress Lake XB	CYLKFLXBRS0	\$0.28	\$13.41	\$13.69	1.15	\$15.75
Fort Walton Beach XA	FTWBFLXADS0	\$1.23	\$12.51	\$13.74	1.15	\$15.80
Altamonte Springs	ALSPFLXADS0	\$0.97	\$12.98	\$13.95	1.15	\$16.04
Buenaventura Lakes	KSSMFLXDRS0	\$0.63	\$13.34	\$13.97	1.15	\$16.07
Fort Walton Beach XB	FTWBFLXBDS0	\$1.73	\$12.63	\$14.36	1.15	\$16.51
Tallahassee - Willis	TLHSFLXBDS0	\$0.85	\$13.62	\$14.46	1.15	\$16.63
Fort Myers	FTMYFLXADS0	\$1.35	\$13.27	\$14.62	1.15	\$16.81
Casselberry	CSLBFLXADS1	\$0.94	\$13.83	\$14.77	1.15	\$16.99
Goldenrod	GLRDFLXADS0	\$0.71	\$14.14	\$14.85	1.15	\$17.08
Cypress Lake XA	CYLKFLXADS0	\$0.28	\$14.62	\$14.90	1.15	\$17.13
Valparaiso	VLPRFLXBRS0	\$1.15	\$13.83	\$14.98	1.15	\$17.22
Fort Walton Beach XC	FTWBFLXCRS0	\$0.65	\$14.54	\$15.19	1.15	\$17.47
Bonita Springs	BNSPFLXADS1	\$0.43	\$14.80	\$15.23	1.15	\$17.51
Valparaiso	VLPRFLXADS0	\$1.20	\$14.51	\$15.71	1.15	\$18.07
West Kissimmee	KSSMFLXBDS1	\$0.44	\$15.56	\$16.00	1.15	\$18.40
Cape Coral	CPCRFLXADS0	\$1.04	\$15.25	\$16.29	1.15	\$18.74
Lady Lake	LDLKFLXADS0	\$0.39	\$16.01	\$16.39	1.15	\$18.85
North Fort Myers XA	NFMYFLXADS0	\$1.12	\$15.46	\$16.58	1.15	\$19.06
Windermere	WINDRFLXARS0	\$0.60	\$16.08	\$16.68	1.15	\$19.18
Naples Southeast	NPLSFLXCDS0	\$0.55	\$16.51	\$17.06	1.15	\$19.61
Morocco Island	MOISFLXADS0	\$0.99	\$16.29	\$17.28	1.15	\$19.87
Kissimmee	KSSMFLXADS0	\$0.47	\$17.10	\$17.57	1.15	\$20.21
Tallahassee - Blairstone	TLHSFLXDDS0	\$0.51	\$17.08	\$17.59	1.15	\$20.23
Highlands	OCALFLXCRS0	\$1.26	\$16.64	\$17.90	1.15	\$20.58
Orange City	ORCYFLXADS0	\$1.12	\$16.80	\$17.92	1.15	\$20.60
Winter Garden	WNGRFLXADS0	\$0.59	\$17.31	\$17.90	1.15	\$20.59
Boca Grande	BCCRFLXARS0	\$2.56	\$15.81	\$18.37	1.15	\$21.13
Tallahassee - Perkins	TLHSFLXHDS0	\$0.48	\$17.95	\$18.43	1.15	\$21.20
Sanibel Island	SNISFLXADS0	\$0.22	\$18.55	\$18.76	1.15	\$21.58
Port Charlotte	PTCTFLXADS0	\$0.57	\$18.35	\$18.92	1.15	\$21.76
Golden Gate	GLGCFLXADS0	\$0.69	\$18.25	\$18.94	1.15	\$21.78
Leesburg	LSBGFLXADS1	\$0.70	\$18.38	\$19.08	1.15	\$21.95
North Cape Coral	CPCRFLXBDS1	\$0.65	\$18.76	\$19.41	1.15	\$22.33
Tavares	TVRSFLXADS0	\$0.78	\$18.90	\$19.68	1.15	\$22.63
Ocala XA	OCALFLXADS0	\$0.44	\$19.54	\$19.98	1.15	\$22.98
Apopka	APPKFLXADS1	\$0.77	\$19.35	\$20.12	1.15	\$23.13
Deltona Lakes	ORCYFLXCRS0	\$0.23	\$20.58	\$20.81	1.15	\$23.94
Clermont	CLMTFLXADS0	\$0.76	\$20.25	\$21.01	1.15	\$24.16
Tallahassee - Mabry	TLHSFLXCDS0	\$1.06	\$20.04	\$21.10	1.15	\$24.26
E. Ft. Meyers	FTMYFLXBDS0	\$1.21	\$20.64	\$21.85	1.15	\$25.13
Sebring	SBNGFLXADS1	\$0.51	\$21.71	\$22.22	1.15	\$25.55
Tallahassee - Thomasville	TLHSFLXDFS0	\$0.22	\$22.15	\$22.37	1.15	\$25.73
Shady Road	OCALFLXBDS0	\$0.48	\$21.96	\$22.43	1.15	\$25.80
Silver Springs Shores	SVSSFLXARS0	\$0.84	\$21.63	\$22.47	1.15	\$25.84
Mount Dora	MTDRFLXADS0	\$0.60	\$22.00	\$22.59	1.15	\$25.98
Bellevue	BLVWFLXADS0	\$0.59	\$22.22	\$22.81	1.15	\$26.23
Beverly Hills	BVHLFLXADS0	\$0.72	\$22.15	\$22.87	1.15	\$26.30
Crestview	CRVWFLXADS0	\$0.69	\$23.05	\$23.73	1.15	\$27.29
Cape Haze	CPHZFLXADS0	\$0.30	\$23.73	\$24.03	1.15	\$27.63
Montverde	MTVRFLXARS0	\$1.67	\$23.04	\$24.70	1.15	\$28.41
Eustis	ESTSFLXADS0	\$0.63	\$24.13	\$24.76	1.15	\$28.47
Lehigh Acres	LHACFLXADS0	\$1.08	\$23.81	\$24.89	1.15	\$28.62

Exchange	CLLJ Code	UNE-P Port Costs (no common)	Total Loop Cost	Adj Switch + Loop Costs	Common Cost Factor	Total UNE-P Cost (with common)
Seagrove Beach	SGBHFLXARS0	\$0.89	\$24.40	\$25.29	1.15	\$29.08
Punta Gorda	PNGRFLXADS1	\$0.49	\$24.81	\$25.30	1.15	\$29.09
Pine Island	PNISFLXADS0	\$0.36	\$25.20	\$25.56	1.15	\$29.40
Santa Rosa Beach	SNRSFLXARS0	\$0.00	\$25.67	\$25.67	1.15	\$29.52
Dade City	DDCYFLXADS1	\$0.86	\$25.30	\$26.16	1.15	\$30.09
Chassahowitzka	CHSWFLXARS0	\$0.42	\$25.82	\$26.24	1.15	\$30.18
Crystal River	CRRVFLXADS0	\$0.59	\$26.55	\$27.13	1.15	\$31.20
Saint Cloud	STCDFLXADS0	\$1.04	\$27.07	\$28.11	1.15	\$32.33
Avon Park	AVPKFLXADS0	\$0.55	\$27.86	\$28.41	1.15	\$32.67
Lake Helen	LKHLFLXARS0	\$0.48	\$28.92	\$29.40	1.15	\$33.81
Homosassa Springs	HMSPFLXARS0	\$0.32	\$30.03	\$30.35	1.15	\$34.90
Marianna	MRNNFLXADS0	\$0.75	\$31.91	\$32.66	1.15	\$37.55
Silver Springs	SVSPFLXARS0	\$1.14	\$31.63	\$32.77	1.15	\$37.68
Howey in the Hills	HOWYFLXARS0	\$2.07	\$31.23	\$33.30	1.15	\$38.29
Fort Meade	FTMDFLXARS0	\$2.61	\$31.07	\$33.68	1.15	\$38.73
Wildwood	WLWDFLXARS0	\$0.96	\$33.59	\$34.55	1.15	\$39.73
Okeechobee	OKCBFLXADS0	\$0.69	\$34.06	\$34.75	1.15	\$39.96
Clewiston	CLTNFLXARS0	\$2.13	\$32.72	\$34.85	1.15	\$40.07
San Antonio	SNANFLXARS0	\$0.00	\$36.05	\$36.05	1.15	\$41.46
Spring Lake	SLHLFLXARS0	\$0.45	\$35.65	\$36.10	1.15	\$41.51
Starke	STRKFLXADS0	\$1.17	\$35.07	\$36.24	1.15	\$41.67
Arcadia	ARCDFLXADS0	\$1.34	\$35.62	\$36.96	1.15	\$42.50
Immokalee	IMKLFLXARS0	\$1.72	\$36.52	\$38.24	1.15	\$43.98
Lake Placid	LKPCFLXARS0	\$0.57	\$37.85	\$38.42	1.15	\$44.18
Bushnell	BSHNFLXADS0	\$0.40	\$38.27	\$38.67	1.15	\$44.47
Labelle	LBLLFLXADS0	\$0.60	\$38.29	\$38.89	1.15	\$44.73
Crawfordville	CFVLFLXADS0	\$0.00	\$39.10	\$39.10	1.15	\$44.97
Umatilla	UMTLFLXARS0	\$0.65	\$39.18	\$39.83	1.15	\$45.81
Oklawaha	OKLWFLXADS0	\$0.00	\$40.12	\$40.12	1.15	\$46.13
Moore Haven	MRHNFLXARS0	\$1.14	\$39.06	\$40.20	1.15	\$46.24
Madison	MDSNFLXADS0	\$1.57	\$38.91	\$40.48	1.15	\$46.55
Tallahassee XG	TLHSFLXGDS0	\$0.60	\$40.66	\$41.26	1.15	\$47.45
Groveland	GVLDLFLXARS0	\$0.83	\$40.96	\$41.79	1.15	\$48.06
Defuniak Springs	DFSPFLXADS0	\$0.71	\$42.14	\$42.85	1.15	\$49.28
Trilacoochee	TLCHFLXARS0	\$0.33	\$42.95	\$43.27	1.15	\$49.76
Astor	ASTRFLXARS0	\$0.85	\$42.98	\$43.83	1.15	\$50.40
Alva	ALVAFLXARS0	\$0.00	\$44.28	\$44.28	1.15	\$50.92
Bowling Green	BWLGFLEXARS0	\$2.62	\$41.91	\$44.53	1.15	\$51.21
Salt Springs	SSPRFLXARS0	\$0.00	\$48.34	\$48.34	1.15	\$55.59
Panacea	PANCFLEXARS0	\$0.00	\$49.27	\$49.27	1.15	\$56.66
Sneads	SNDSFLXARS0	\$1.61	\$49.35	\$50.96	1.15	\$58.61
Williston	WLSTFLXARS0	\$0.58	\$51.35	\$51.92	1.15	\$59.71
Bonifay	BNFYFLXARS0	\$1.88	\$52.02	\$53.90	1.15	\$61.98
Freeport	FRPTFLXARS0	\$0.00	\$56.82	\$56.82	1.15	\$65.35
Greenwood	GNWDFLEXARS0	\$1.29	\$58.43	\$59.72	1.15	\$68.67
Lawtey	LWTFLEXARS0	\$0.00	\$60.33	\$60.33	1.15	\$69.38
Zolfo Springs	ZLSPFLXARS0	\$0.91	\$65.00	\$65.91	1.15	\$75.80
Monticello	MNTIFLXADS0	\$0.90	\$66.14	\$67.04	1.15	\$77.09
Alford	ALFRFLXARS0	\$0.00	\$71.56	\$71.56	1.15	\$82.29
Everglades	EVRGFLXARS0	\$0.86	\$73.19	\$74.04	1.15	\$85.15
Cottondale	CTDLFLXARS0	\$0.00	\$75.29	\$75.29	1.15	\$86.59
Cherry Lake	CHLKFLXARS0	\$0.25	\$78.67	\$78.92	1.15	\$90.76
Saint Marks	STMKFLXARS0	\$0.90	\$78.71	\$79.61	1.15	\$91.55
Baker	BAKRFLXADS0	\$0.40	\$80.32	\$80.72	1.15	\$92.83
Grand Ridge	GDRGFLXADS0	\$0.00	\$83.62	\$83.62	1.15	\$96.16
Ponce de Leon	PNLNFLXARS0	\$0.00	\$88.95	\$88.95	1.15	\$102.29
Sopchoppy	SPCPFLXADS0	\$0.00	\$90.01	\$90.01	1.15	\$103.51
Malone	MALNFLXARS0	\$0.00	\$90.25	\$90.25	1.15	\$103.79
Kingsley Lake	KGLKFLXARS0	\$0.00	\$93.23	\$93.23	1.15	\$107.22
Greenville	GNVFLXARS0	\$0.00	\$96.43	\$96.43	1.15	\$110.90
Lee	LEE FLXARS0	\$0.00	\$101.40	\$101.40	1.15	\$116.61
Westville	WSTVFLXARS0	\$0.00	\$104.69	\$104.69	1.15	\$120.39
Glendale	GLDLFLXARS0	\$0.30	\$112.79	\$113.09	1.15	\$130.05
Reynolds Hill	RYHLFLXARS0	\$0.14	\$120.82	\$120.96	1.15	\$139.11
Kenansville	KNVLFLXARS0	\$0.24	\$126.99	\$127.23	1.15	\$146.32

Sprint - UNE-P Cost Study

TECHNOLOGY PERCENTAGE BY EXCHANGE

CLLI	DLC	Copper	Total	%DLC	%Cu			
ALFRFLXARS0	1,681	0	1,681	100.0%	0.0%			
ALSPFLXADS0	38,546	18,405	56,951	67.7%	32.3%	Totals	DLC	Copper
ALVAFIXARS0	1,733	0	1,733	100.0%	0.0%		1,539,682	603,901
APPKFLXADS1	27,628	6,531	34,159	80.9%	19.1%			
ARCDLXADS0	9,181	5,864	15,045	61.0%	39.0%			
ASTRFLXARS0	1,103	437	1,540	71.6%	28.4%			
AVPKFLXADS0	9,967	2,103	12,070	82.6%	17.4%			
BAKRFLXADS0	2,383	389	2,772	86.0%	14.0%			
BCGRFLXARS0	1,094	1,863	2,957	37.0%	63.0%			
BLVWFLXADS0	18,085	4,741	22,826	79.2%	20.8%			
BNFYFLXARS0	2,777	2,431	5,208	53.3%	46.7%			
BNSPFLXADS1	36,301	7,578	43,879	82.7%	17.3%			
BSHNFXADS0	10,447	2,028	12,475	83.7%	16.3%			
BVHLFLXADS0	10,702	4,178	14,880	71.9%	28.1%			
BWLGFLXARS0	540	1,142	1,682	32.1%	67.9%			
CFVFLXADS0	7,291	0	7,291	100.0%	0.0%			
CHLKFLXARS0	1,249	121	1,370	91.2%	8.8%			
CHSWFLXARS0	3,829	553	4,382	87.4%	12.6%			
CLMTFLXADS0	14,459	6,466	20,925	69.1%	30.9%			
CLTNFLXARS0	4,489	4,868	9,357	48.0%	52.0%			
CPCRFLXADS0	23,725	10,582	34,307	69.2%	30.8%			
CPCRFLXBDS1	21,475	7,708	29,183	73.6%	26.4%			
CPHZFLXADS0	10,749	1,287	12,036	89.3%	10.7%			
CRRVFLXADS0	13,142	2,805	15,947	82.4%	17.6%			
CRVWFLXADS0	13,547	5,225	18,772	72.2%	27.8%			
CSLBFLXADS1	14,270	7,189	21,459	66.5%	33.5%			
CTDLFLXARS0	1,402	0	1,402	100.0%	0.0%			
CYLKFLXADS0	62,199	6,594	68,793	90.4%	9.6%			
CYLKFLXBRS0	12,490	1,312	13,802	90.5%	9.5%			
DDCYFLXADS1	9,168	4,175	13,343	68.7%	31.3%			
DESTFLXADS0	17,812	5,888	23,700	75.2%	24.8%			
DFSPFLXADS0	6,576	2,667	9,243	71.1%	28.9%			
ESTSFLXADS0	14,684	5,052	19,736	74.4%	25.6%			
EVRGFLXARS0	1,269	439	1,708	74.3%	25.7%			
FRPTFLXARS0	3,078	0	3,078	100.0%	0.0%			
FTMBFLXADS0	7,485	4,802	12,287	60.9%	39.1%			
FTMDFLXARS0	1,086	2,259	3,345	32.5%	67.5%			
FTMYFLXADS0	13,923	10,999	24,922	55.9%	44.1%			
FTMYFLXBDS0	10,024	5,731	15,755	63.6%	36.4%			
FTMYFLXCDS2	24,601	14,944	39,545	62.2%	37.8%			
FTWBFLXADS0	14,385	9,323	23,708	60.7%	39.3%			
FTWBFLXBDS0	9,301	13,255	22,556	41.2%	58.8%			
FTWBFLXCRS0	3,725	977	4,702	79.2%	20.8%			
GDRGFLXADS0	2,302	0	2,302	100.0%	0.0%			
GLDLFLXARS0	806	59	865	93.2%	6.8%			
GLGCFLXADS0	23,445	9,134	32,579	72.0%	28.0%			
GLRDFLXADS0	38,056	11,732	49,788	76.4%	23.6%			
GNVFLXARS0	1,417	0	1,417	100.0%	0.0%			
GNWDFLXARS0	584	275	859	68.0%	32.0%			
GVLDFLXARS0	4,521	1,175	5,696	79.4%	20.6%			
HMSPFIXARS0	9,749	1,005	10,754	90.7%	9.3%			
HOWYFLXARS0	959	876	1,835	52.3%	47.7%			
IMKFLXARS0	3,993	3,088	7,081	56.4%	43.6%			
KGLKFLXARS0	387	0	387	100.0%	0.0%			
KNVFLXARS0	696	75	771	90.3%	9.7%			
KSSMFLXADS0	39,780	9,391	49,171	80.9%	19.1%			
KSSMFLXBDS1	21,583	3,626	25,209	85.6%	14.4%			
KSSMFLXDRS0	10,811	3,720	14,531	74.4%	25.6%			
LBLLFLXADS0	7,477	1,982	9,459	79.0%	21.0%			
LDLKFLXADS0	18,415	3,415	21,830	84.4%	15.6%			
LEE FLXARS0	1,176	0	1,176	100.0%	0.0%			
LHACFLXADS0	11,438	5,965	17,403	65.7%	34.3%			



CLLI	DLC	Copper	Total	%DLC	%Cu
LKBFLXADS1	32,831	14,352	47,183	69.6%	30.4%
LKHLFLXARS0	1,904	321	2,225	85.6%	14.4%
LKPCFLXARS0	11,262	2,274	13,536	83.2%	16.8%
LSBGFLXADS1	27,295	8,878	36,173	75.5%	24.5%
LWTFXARS0	1,203	0	1,203	100.0%	0.0%
MALNFXARS0	1,357	0	1,357	100.0%	0.0%
MDSNFLXADS0	2,719	2,501	5,220	52.1%	47.9%
MNTIFLXADS0	4,908	2,113	7,021	69.9%	30.1%
MOISFLXADS0	16,331	6,921	23,252	70.2%	29.8%
MRHNFXARS0	1,959	1,021	2,980	65.7%	34.3%
MRNNFXADS0	8,164	3,544	11,708	69.7%	30.3%
MTDRFLXADS0	12,404	3,955	16,359	75.8%	24.2%
MTLDFLXADS1	6,203	10,264	16,467	37.7%	62.3%
MTVRFLEXARS0	570	1,193	1,763	32.3%	67.7%
NFMYFLXADS0	11,371	6,263	17,634	64.5%	35.5%
NNPLFLXADS1	55,160	2,316	57,476	96.0%	4.0%
NPLSFLXCDS0	28,802	8,192	36,994	77.9%	22.1%
NPLSFLXDDS0	47,425	14,497	61,922	76.6%	23.4%
OCALFLXADS0	51,222	9,434	60,656	84.4%	15.6%
OCALFLXBDS0	27,219	4,811	32,030	85.0%	15.0%
OCALFLXCRS0	6,737	4,109	10,846	62.1%	37.9%
OKCBFLXADS0	18,674	4,888	23,562	79.3%	20.7%
OKLWFLXADS0	4,323	0	4,323	100.0%	0.0%
ORCYFLXADS0	9,068	4,732	13,800	65.7%	34.3%
ORCYFLXCRS0	13,612	1,419	15,031	90.6%	9.4%
PANCFLEXARS0	1,122	0	1,122	100.0%	0.0%
PNGRFLXADS1	22,488	5,519	28,007	80.3%	19.7%
PNISFLXADS0	8,332	1,011	9,343	89.2%	10.8%
PNLNFXARS0	1,292	0	1,292	100.0%	0.0%
PTCTFLXADS0	43,306	13,053	56,359	76.8%	23.2%
RYHLFLXARS0	1,506	53	1,559	96.6%	3.4%
SBNGFLXADS1	23,400	5,501	28,901	81.0%	19.0%
SGBHFLXARS0	4,297	1,207	5,504	78.1%	21.9%
SHLMFLXADS0	4,296	5,675	9,971	43.1%	56.9%
SHLFLXARS0	4,731	724	5,455	86.7%	13.3%
SNANFLXARS0	3,863	0	3,863	100.0%	0.0%
SNDSFLXARS0	1,199	800	1,999	60.0%	40.0%
SNISFLXADS0	11,683	817	12,500	93.5%	6.5%
SNRSFLXARS0	5,666	0	5,666	100.0%	0.0%
SPCPFLXADS0	1,153	0	1,153	100.0%	0.0%
SSPRFLXARS0	1,674	0	1,674	100.0%	0.0%
STCDFLXADS0	12,874	9,431	22,305	57.7%	42.3%
STMKFLXARS0	633	115	748	84.6%	15.4%
STRKFLXADS0	4,846	2,633	7,479	64.8%	35.2%
SVSPFLXARS0	3,939	1,768	5,707	69.0%	31.0%
SVSSFLXARS0	5,700	1,686	7,386	77.2%	22.8%
TLCHFLEXARS0	3,605	355	3,960	91.0%	9.0%
TLHSFLXADS0	56,402	20,347	76,749	73.5%	26.5%
TLHSFLXBDS0	17,348	9,071	26,419	65.7%	34.3%
TLHSFLXCDS0	17,207	9,986	27,193	63.3%	36.7%
TLHSFLXDDS0	35,632	8,421	44,053	80.9%	19.1%
TLHSFLXEDS0	10,897	1,241	12,138	89.8%	10.2%
TLHSFLXFD0	23,811	2,338	26,149	91.1%	8.9%
TLHSFLXGDS0	3,929	912	4,841	81.2%	18.8%
TLHSFLXHDS0	9,580	2,091	11,671	82.1%	17.9%
TVRSFLXADS0	11,150	4,579	15,729	70.9%	29.1%
UMTLFLXARS0	6,773	1,579	8,352	81.1%	18.9%
VLPRFLXADS0	8,023	6,508	14,531	55.2%	44.8%
VLPRFLXBRS0	4,228	3,179	7,407	57.1%	42.9%
WLSTFLXARS0	5,411	987	6,398	84.6%	15.4%
WLWDFLEXARS0	6,993	1,989	8,982	77.9%	22.1%
WNRDFLEXARS0	8,202	1,616	9,818	83.5%	16.5%
WNGRFLXADS0	18,544	5,847	24,391	76.0%	24.0%
WNPKFLXADS1	34,200	17,764	51,964	65.8%	34.2%
WSTVFLXARS0	889	0	889	100.0%	0.0%
ZLSPFLXARS0	2,079	782	2,861	72.7%	27.3%

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