

BEFORE THE  
POSTAL RATE COMMISSION  
WASHINGTON, D.C. 20268-0001

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POSTAL RATE COMMISSION  
OFFICE OF THE SECRETARY

POSTAL RATE AND FEE CHANGES, 2001

Docket No. R2001-1

**RESPONSE OF UNITED STATES POSTAL SERVICE  
WITNESS HOPE TO INTERROGATORIES OF NEWSPAPER ASSOCIATION  
OF AMERICA  
(NAA/USPS-T31—1-13)**

The United States Postal Service hereby provides the responses of witness Hope to the following interrogatories of the Newspaper Association of America: NAA/USPS-T31—1-13, filed on October 26, 2001.

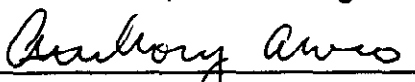
Each interrogatory is stated verbatim and is followed by the response.

Respectfully submitted,

UNITED STATES POSTAL SERVICE

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**NAA/USPS-T31-1:**

Please refer to Page 9, lines 6 to 8, of your testimony. Were data available from the Base Year in this case that would allow you to determine the cost shares of the commercial and nonprofit subclasses? If so, please explain why you did not use such data.

**RESPONSE:**

Costs for these groupings were not available. This is discussed in my testimony on page 8, line 19 to page 9, line 12. The description by witness Moeller of the role of volume variable costs as applied to Standard Regular and Nonprofit also applies to Enhanced Carrier Route and Nonprofit Enhanced Carrier Route. (USPS-T-32, page 7, lines 11 – 15). The allocation methodology described in response to NAA/USPS-T31-2, below, was not intended to determine the precise volume variable cost of the commercial and nonprofit subclasses in isolation. The allocation assisted in executing the rate design formula and producing the statutory revenue-per-piece relationship between commercial and nonprofit subclasses, which is described in my testimony on page 35, lines 1 – 7.

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**NAA/USPS-T31-2:**

Please explain how the estimate for allocating the combined NECR and ECR costs to each subclass was developed. Please provide all calculations.

**RESPONSE:**

See page 9 of my testimony, lines 6 to 8 for a description of the method used to allocate the combined ECR and NECR costs to each subclass.

The calculations that follow are in millions of dollars.

USPS LR-I-166	ECR Costs from WP1, page 16	\$2,466.132
	NECR Costs from WP2, page 16	\$ 207.208
	<b>TOTAL</b>	<b>\$2,673.340</b>

The ECR cost ratio, using information from Docket No. R2000-1, is \$2,466.132 divided by \$2,673.340, or 92.25 percent. The NECR cost ratio is \$207.208 divided by \$2,673.340, or 7.75 percent.

These ratios were applied to the combined volume variable cost with contingency of \$2,749.941 in this docket provided by witness Patalunas in his testimony (USPS-T-12, WP F, Table E). The calculation used for ECR is  $\$2,749.941 \times 0.9225 = \$2,536.82$ , as shown in USPS-LR-J-131, WP1, page L, column E, row 8. The calculation used for NECR is  $\$2,749.941 \times 0.0775 = \$213.12$ , as shown in USPS-LR-J-131, WP2, page L, column E, row 9. This

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allocation was made merely to facilitate the use of the rate design formula. See response to NAA/USPS-T31-1, above.

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**NAA/USPS-T31-3:**

*Please refer to footnote 11 of your testimony. What is it that makes a discussion of implicit cost coverages for piece-rated and pound-rated mail enlightening "in this instance" of Standard Enhanced Carrier Route mail as opposed to other subclasses of mail?*

**RESPONSE:**

Examination of the implicit cost coverages for piece-rated and pound-rated pieces helps to illustrate and support the Postal Service's proposal for lowering the pound rate. It also shows the reasonableness of the proposal.

My testimony is limited to the Standard Enhanced Carrier Route and Nonprofit Enhanced Carrier Route subclasses. I have not studied whether it would be beneficial to introduce implicit coverage analyses to other classes of mail.

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**NAA/USPS-T31-4:**

If, as you mention at Page 13 of your testimony, one goal in rate design is to bring the piece and pound rated implicit coverages for ECR closer together, why was the pound rate reduced instead of the piece rate being increased above the proposed increase?

**RESPONSE:**

Increasing the piece rate further than the increases in the Postal Service's proposal would likely disrupt current rate relationships and could increase some individual rate cells by more than 10 percent. Incidentally, I did not state that implicit coverage relationships were a goal of the rate design; in my testimony, I noted that:

While equalizing cost coverage of the two groupings is not strictly necessary, the information suggests that a reduction in the pound rate can be made without distorting the relative implicit coverage of the two groupings. (USPS-T-31, page 13, lines 2 – 5).

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**NAA/USPS-T31-5:**

Please refer to tables 5A, 5 B, and 5C of your testimony.

- a. Please quantify the amount by which the revenue received from the Standard commercial ECR mail at the weight increments that face a rate reduction under your proposed rates is less than the revenue that would be received from the same weight increments if the current charges for pound-rated mail were unchanged, at Test Year Before Rates volumes.
- b. Please provide the change in implicit cost coverage between the current and proposed ECR pound rates.

**RESPONSE:**

- a. The analysis requested is provided below, with the following caveats. First, this is a hypothetical question that is not consistent with the current rate design, which is based on precedents set in rate cases dating from the creation of the ECR subclass in Docket No. MC95-1. The rate design assumes a steady pound rate above the breakpoint, without exception.

More significantly, "freezing" some of the rates, while raising others, defeats the main objective in lowering the pound rate, which is to treat ECR mail more equitably across-the-board. Although the volume affected is small, the ECR rate design formula is very sensitive, and if this change were incorporated into the rate design, it would have an impact on rates beyond those "frozen." Furthermore, the analysis requested requires a simplifying assumption about the precise weight of pieces within each ounce increment.

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Keeping the above cautions in mind, the information requested can be derived from Exhibit USPS-31A, which accompanies my testimony, USPS-LR-J-131, WP1, pages T and U ("SUM"), and USPS-LR-J-58. For clarity and the convenience of the reader, the following is an outline of the series of steps taken to arrive at the data requested. These steps are also described in my response to interrogatory AAPS/USPS-T31-2.

- 1) Show the volume by destination entry and ounce increment for each density tier. This information is taken directly from Exhibit USPS-31A and USPS-LR-J-58.
- 2) Calculate the current rate by destination entry cell. Each ounce increment includes a range of fractional values, as discussed in my testimony on page 16, lines 11 – 16. Rather than choosing the lowest or highest end, I have selected the midpoint of each range to calculate the rate. For example, in the range of 9.0 to 10.0 ounces, the analysis assumes a weight of 9.5 ounces.
- 3) Calculate the proposed rate by destination entry cell in each ounce increment, using the midpoint as in Step #2.
- 4) Determine the difference by subtracting the proposed rate from the current rate by destination entry cell for each ounce increment.
- 5) Multiply the difference in rates as calculated in step #4 for each cell by the volumes in step #1 for each ounce increment and total to arrive at the difference in revenue for each tier.



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In order to answer the question above, using the series of steps described above, this analysis was performed for the Basic and High Density tiers (see Attachment for details). Analysis of the Saturation tier using the same methodology was described in the response to interrogatory AAPS/USPS-T31-2 (see Attachment to the response to interrogatory AAPS/USPS-T31-2 for details). Results for all three tiers are recapped below.

Basic	\$ 2,890,899
High Density	\$ 1,356,261
Saturation	\$ 2,427,336
<b>TOTAL DIFFERENCE</b>	<b>\$ 6,674,496</b>

Given the caveats, which are discussed above, the figure requested rounds to \$6.6 million. This is minimal, which is not surprising, because, as shown in Exhibit USPS-31A, the total ECR volume affected is small: 5.69 percent.

b. See Table #3 on page 13 of my testimony, which shows the implicit coverage for piece-rated and pound-rated pieces at both the 3.0 and 3.5 ounce dividing lines. Before rates, the implicit coverage for pound-rated pieces at the 3.0 ounce dividing line is 249.8 percent, and the implicit coverage for pound-rated pieces at the 3.5 ounce dividing line is 246.2 percent. After rates, the implicit coverage for pound-rated pieces at the 3.0 ounce dividing line is 252.6

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percent; the implicit coverage at the 3.5 ounce dividing line is 249.0 percent. The implicit coverage for both piece-rated and pound-rated pieces increases slightly after rates, but the gap between piece-rated and pound-rated pieces narrows, as discussed in my testimony on page 13, lines 5 to 11.

ATTACHMENT TO RESPONSE TO

NAA/USPS-131-5

Page 1

NAA/USPS-131-5  
BASIC TIER

STEP #1 BASIC TIER VOLUME UNDER REQUEST-1 PROPOSAL WITH RATE DECREASE

Source: USPS-T-31; EXHIBIT 31A and USPS-LN-1-58  
TOTAL BY OZ INCREMENT: in pieces

Destination Entry	None	DMAC	DSCF	DDU
4.0-5.0	62,347,178	42,860,604	40,372,802	15,828,310
5.0-6.0	304,662,180	120,118,788	63,075,825	27,130,430
6.0-7.0	1,303,019,957	687,128,386	347,200,787	176,319,884
7.0-8.0	1,468,514,454	72,353,137	10,774,357	10,774,357
8.0-9.0	6,329,973	7,702,567	2,798,798	3,022,902
9.0-10.0	2,017,309	1,584,313	2,017,309	1,584,313
10.0-11.0	303,305	382,187	303,305	382,187
11.0-12.0	18,045,298	9,541,532	18,045,298	9,541,532
12.0-13.0	26,445,180	16,045,298	26,445,180	16,045,298
13.0-14.0	47,064,357	62,775,687	47,064,357	62,775,687
14.0-15.0	159,875,216	87,237,208	159,875,216	87,237,208
15.0-16.0	198,903,164	159,875,216	198,903,164	159,875,216
TOTAL	10,903,164	159,875,216	10,903,164	159,875,216

STEP #2 CURRENT RATES

Source: WPI, page U; in dollars

Destination Entry	None	DMAC	DSCF	DDU
4.0-5.0	0.2254	0.2655	0.2339	0.2443
5.0-6.0	0.2254	0.2655	0.2339	0.2443
6.0-7.0	0.2254	0.2655	0.2339	0.2443
7.0-8.0	0.2254	0.2655	0.2339	0.2443
8.0-9.0	0.2254	0.2655	0.2339	0.2443
9.0-10.0	0.2254	0.2655	0.2339	0.2443
10.0-11.0	0.2254	0.2655	0.2339	0.2443
11.0-12.0	0.2254	0.2655	0.2339	0.2443
12.0-13.0	0.2254	0.2655	0.2339	0.2443
13.0-14.0	0.2254	0.2655	0.2339	0.2443
14.0-15.0	0.2254	0.2655	0.2339	0.2443
15.0-16.0	0.2254	0.2655	0.2339	0.2443

STEP #3 PROPOSED RATES

Source: WPI, page T; in dollars

Destination Entry	None	DMAC	DSCF	DDU
4.0-5.0	0.071	0.498	0.473	0.441
5.0-6.0	0.071	0.498	0.473	0.441
6.0-7.0	0.071	0.498	0.473	0.441
7.0-8.0	0.071	0.498	0.473	0.441
8.0-9.0	0.071	0.498	0.473	0.441
9.0-10.0	0.071	0.498	0.473	0.441
10.0-11.0	0.071	0.498	0.473	0.441
11.0-12.0	0.071	0.498	0.473	0.441
12.0-13.0	0.071	0.498	0.473	0.441
13.0-14.0	0.071	0.498	0.473	0.441
14.0-15.0	0.071	0.498	0.473	0.441
15.0-16.0	0.071	0.498	0.473	0.441

STEP #4 RATE DIFFERENCE

Source: Current - Proposed Rates; in dollars

Destination Entry	None	DMAC	DSCF	DDU
4.0-5.0	-0.0088	-0.0088	-0.0088	-0.0088
5.0-6.0	-0.0088	-0.0088	-0.0088	-0.0088
6.0-7.0	-0.0088	-0.0088	-0.0088	-0.0088
7.0-8.0	-0.0088	-0.0088	-0.0088	-0.0088
8.0-9.0	-0.0088	-0.0088	-0.0088	-0.0088
9.0-10.0	-0.0088	-0.0088	-0.0088	-0.0088
10.0-11.0	-0.0088	-0.0088	-0.0088	-0.0088
11.0-12.0	-0.0088	-0.0088	-0.0088	-0.0088
12.0-13.0	-0.0088	-0.0088	-0.0088	-0.0088
13.0-14.0	-0.0088	-0.0088	-0.0088	-0.0088
14.0-15.0	-0.0088	-0.0088	-0.0088	-0.0088
15.0-16.0	-0.0088	-0.0088	-0.0088	-0.0088

STEP #5 REVENUE IMPACT

Source: Volume from Step #1 \* Rate Difference from Step #4; in dollars

NOTE: THE SHADED AREAS IN RED SHOW A POSITIVE RATE DIFFERENCE

Destination Entry	None	DMAC	DSCF	DDU
4.0-5.0	0.0018	0.0018	0.0018	0.0018
5.0-6.0	0.0018	0.0018	0.0018	0.0018
6.0-7.0	0.0018	0.0018	0.0018	0.0018
7.0-8.0	0.0018	0.0018	0.0018	0.0018
8.0-9.0	0.0018	0.0018	0.0018	0.0018
9.0-10.0	0.0018	0.0018	0.0018	0.0018
10.0-11.0	0.0018	0.0018	0.0018	0.0018
11.0-12.0	0.0018	0.0018	0.0018	0.0018
12.0-13.0	0.0018	0.0018	0.0018	0.0018
13.0-14.0	0.0018	0.0018	0.0018	0.0018
14.0-15.0	0.0018	0.0018	0.0018	0.0018
15.0-16.0	0.0018	0.0018	0.0018	0.0018
TOTAL	0.0018	0.0018	0.0018	0.0018

ATTACHMENT TO RESPONSE TO  
NAUUSPS-131-5

NAUUSPS-131-5  
HIGH DENSITY TIER

STEP #1 HIGH DENSITY TIER VOLUME WITH RATE DECREASE UNDER NA001-1 PROPOSAL

Source: USPS-1-31; Exhibit 31A and USPS-LR-1-08

Destination Entry	4.0-5.0	5.0-6.0	6.0-7.0	7.0-8.0	8.0-9.0	9.0-10.0	10.0-11.0	11.0-12.0	12.0-13.0	13.0-14.0	14.0-15.0	15.0-16.0
None	1,836,835	60,119	69,956	298,978	178,928	109,479	40,879	38,142	32,787	14,232	12,669	12,137
DBMC	126,873	121,690	16,516	88,318	4,802	14,902	972	0	0	0	23,287	0
DSCF	80,795,091	72,710,377	40,217,757	21,260,749	42,426,628	26,900,279	17,831,244	8,889,784	8,391,892	3,224,312	2,101,462	1,087,436
DDU	102,334,800	44,498,858	63,354,650	42,426,628	26,900,279	17,831,244	8,889,784	8,391,892	3,224,312	2,101,462	1,087,436	508,828
TOTAL BY OZ INCREMENT, in pieces	192,234,800	64,498,858	63,354,650	42,426,628	26,900,279	17,831,244	8,889,784	8,391,892	3,224,312	2,101,462	1,087,436	508,828

STEP #2 CURRENT RATES

Source: WPI, page U; in dollars

Destination Entry	Per Piece	Per Pound	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5	12.5	13.5	14.5	15.5
None	0.636	0.294	0.243	0.243	0.262	0.251	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
DBMC	0.024	0.545	0.2113	0.2454	0.2798	0.3478	0.3817	0.4157	0.4498	0.4838	0.5179	0.5520	0.5861	0.6202
DSCF	0.024	0.524	0.2011	0.2398	0.2696	0.3024	0.3351	0.3679	0.4008	0.4334	0.4661	0.4989	0.5316	0.5642
DDU	0.024	0.498	0.1841	0.1982	0.2263	0.2574	0.2886	0.3197	0.3508	0.3819	0.4131	0.4442	0.4753	0.5064

STEP #3 PROPOSED RATES

Source: WPI, page T; in dollars

Destination Entry	Per Piece	Per Pound	4.5	5.5	6.5	7.5	8.5	9.5	10.5	11.5	12.5	13.5	14.5	15.5
None	0.636	0.294	0.2142	0.2518	0.2690	0.2625	0.2625	0.2625	0.2625	0.2625	0.2625	0.2625	0.2625	0.2625
DBMC	0.046	0.498	0.1861	0.2172	0.2463	0.2794	0.3106	0.3417	0.3728	0.4039	0.4351	0.4662	0.4973	0.5284
DSCF	0.046	0.473	0.1790	0.2098	0.2382	0.2677	0.2973	0.3268	0.3564	0.3860	0.4155	0.4451	0.4747	0.5042
DDU	0.046	0.441	0.1700	0.1878	0.2232	0.2527	0.2803	0.3078	0.3354	0.3630	0.3906	0.4181	0.4457	0.4732

STEP #4 RATE DIFFERENCE

Source: Current - Proposed Rates; in dollars

Destination Entry	None	DBMC	DSCF	DDU	5.5	6.5	7.5	8.5	9.5	10.5	11.5	12.5	13.5	14.5
None	-0.0082	-0.0082	-0.0082	-0.0082	-0.0082	-0.0082	-0.0082	-0.0082	-0.0082	-0.0082	-0.0082	-0.0082	-0.0082	-0.0082
DBMC	-0.0068	-0.0068	-0.0068	-0.0068	-0.0068	-0.0068	-0.0068	-0.0068	-0.0068	-0.0068	-0.0068	-0.0068	-0.0068	-0.0068
DSCF	-0.0045	-0.0045	-0.0045	-0.0045	-0.0045	-0.0045	-0.0045	-0.0045	-0.0045	-0.0045	-0.0045	-0.0045	-0.0045	-0.0045
DDU	-0.0084	-0.0084	-0.0084	-0.0084	-0.0084	-0.0084	-0.0084	-0.0084	-0.0084	-0.0084	-0.0084	-0.0084	-0.0084	-0.0084

STEP #5 REVENUE IMPACT

Source: Volume from Step #1 \* Rate Difference from Step #4; in dollars

Destination Entry	None	DBMC	DSCF	DDU	5.5	6.5	7.0-8.0	8.0-9.0	9.0-10.0	10.0-11.0	11.0-12.0	12.0-13.0	13.0-14.0	14.0-15.0	15.0-16.0	TOTAL
None	14	87	14	182	174	257	303	167	203	181	203	147	147	147	1,477	
DBMC	87	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
DSCF	40,529	40,529	40,529	40,529	40,529	40,529	40,529	40,529	40,529	40,529	40,529	40,529	40,529	40,529	40,529	
DDU	75,566	75,566	75,566	75,566	75,566	75,566	75,566	75,566	75,566	75,566	75,566	75,566	75,566	75,566	75,566	
TOTAL	14	87	14	182	174	257	303	167	203	181	203	147	147	147	1,477	

FOR SATURATION TIER, SEE ATTACHMENT TO RESPONSE TO NAUUSPS-131-2

NOTE: THE SHADDED AREAS IN RED SHOW A ZERO OR POSITIVE RATE DIFFERENCE

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**NAA/USPS-T31-6:**

Please confirm that an advertiser that participates in a shared Standard ECR pound-rated mailing does not pay the pound rate to the Postal Service, but rather pays a price set by the shared mailer. If you cannot confirm, please explain why not.

**RESPONSE:**

An advertiser that participates in a shared-mailing program does not pay postage directly to the Postal Service; however, one of the factors that the shared mailer takes into account in setting the price is the rate charged by the Postal Service.

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**NAA/USPS-T31-7:**

Please confirm that an advertiser that participates in a shared Standard ECR piece-rated mailing does not pay the piece rate to the Postal Service, but rather pays a price set by the shared mailer. If you cannot confirm, please explain why not.

**RESPONSE:**

Confirmed. It should be noted that one of the factors that the shared mailer takes into account in setting the price is the rate charged by the Postal Service.

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**NAA/USPS-T31-8:**

Please confirm that your testimony does not discuss and does not rely on any contentions regarding the prices charged by shared mailers to the advertising participants in their mailings. If you cannot confirm, please explain why not.

**RESPONSE:**

*My testimony does not discuss prices charged by shared mailers to advertising participants in their mailings; however, my testimony notes that "the concerns of alternative providers of saturation advertising services were taken into account and balanced with the concerns of businesses that would prefer a lower pound rate." (USPS-T-31, page 21, lines 6 -- 9).*

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**NAA/USPS-T31-9:**

Please confirm that your testimony does not discuss and does not rely on any contentions regarding the prices charged by newspapers to their advertisers for inclusion in newspaper Total Market Coverage programs. If you cannot confirm, please explain why not.

**RESPONSE:**

Confirmed.



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**NAA/USPS-T31-10:**

Please refer to Page 23, line 18. to Page 24, line 9, where you allude to the concern about "cross-over" to Standard Regular Automation letter rates as a justification for a zero percent passthrough of the letter/flat differential at the Basic ECR tier. Please identify the Standard Regular rate category that is most relevant to this concern, and state the rate for that rate category proposed by witness Moeller.

**RESPONSE:**

I was referring to the Standard Mail 5-digit automation letter rate. The rate proposed for this category in witness Moeller's testimony (USPS-T-32, page 19) is 19.0 cents, which is 0.4 cent less than the 19.4 cents proposed for ECR basic letters.

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**NAA/USPS-T31-11:**

Has the Postal Service conducted any study of the cost savings associated with walk sequencing since the Shipe study that was in evidence in Docket No. R90-1? If so please provide copies of all such studies.

**RESPONSE:**

Although the methodology used in the Shipe study has not been replicated, the cost savings associated with high-density and saturation walk-sequenced mail have been quantified in subsequent rate cases, including this one, as presented by witness Schenk in USPS-LR-J-59 and 117.

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**NAA/USPS-T31-12:**

Did you consider proposing a new density tier Standard ECR mail between the High Density and Saturation tiers? If so, please state why you do not propose such a new tier.

**RESPONSE:**

No. I have not studied this; the concept may have merit and could be considered in the context of future ECR rate design.

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**NAA/USPS-T31-13:**

Please refer to Page 26 of your testimony at Table # 7 and lines 11 to 15. Did you consider any alternative rate designs that would have limited the density passthrough between high density and saturation nonletters to 100 percent instead of the 108.3 percent that you propose? If so, please explain what alternatives you considered and why you rejected them. If not, please explain why the passthrough between high density and saturation nonletters in excess of 100 percent did not cause you to consider alternatives.

**RESPONSE:**

The rate design for Standard ECR is an iterative process and I considered many alternatives before finalizing my proposal. Some of them involved different passthrough percentages and different rate differentials. I sought a combination of inputs that met the various criteria for rate design, as discussed in my testimony on page 2, lines 8 – 15. In addition, as discussed in my testimony, the proposal to require that high-density and saturation letters bear mailer-applied barcodes was considered in determining the Letter-Nonletter passthroughs in the High Density and Saturation tiers:

The rate gap between High Density letters and nonletters, measured in cents, was widened, from the current 0.3 cent to 0.5 cent, a 66.6 percent increase. At the Saturation tier, the gap was widened from 0.4 cent to 0.7 cent, a 75.0 percent increase. These figures represent significant savings to mailers who barcode their High Density and Saturation letters. (USPS-T-31, page 10, lines 18 to 23.)

As noted in my response to VP/USPS-T31-22, the passthroughs cannot be viewed as isolated inputs, because the Standard Mail ECR formula is dynamic. There are several variables in the rate design formula which work

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interactively and with other inputs in the spreadsheet model in USPS-LR-J-131. (For more detail on the relationship of the shape and density passthroughs, see Appendix #1 of my testimony, which is a description of the ECR Presort Tree.) A change in the passthroughs to decrease the High Density-Saturation nonletter passthrough would impact other rates. In addition, this change could impact the projected Test Year After Rates volumes; commensurate changes in the passthroughs or other "soft" inputs might have to be made to meet the ECR revenue requirement as set by the rate level witness. Passthroughs are only a part of rate design and they are not the only consideration in setting rates; they are not set independently of these other considerations.

## CERTIFICATE OF SERVICE

I hereby certify that I have this day served the foregoing document upon all participants of record in this proceeding in accordance with section 12 of the Rules of Practice.

  
Anthony Alverno

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