Company Name: KCPL MO<br>Case Description: 2010 KCPL Rate Case<br>Case: ER-2010-0355

On pages 3313 and 3314 , Mr. Schnitzer accepted that $\$ 83.796$ million was the $40^{\text {th }}$ percentile of the probability distribution he filed in his Direct Testimony, subject to check:

Page 3313:

| 8 | Q. Mr. Schnitzer, referring to the testimony |
| ---: | :---: | :---: |
| 9 | the study that you filed already in this case, would you |
| 10 | agree that the 40 th percentile is 83.796 million? |
| 11 | A. If you'll hold on just a minute, please, |
| 12 | while I -- and I'm sorry. What was your number again? |
| 13 | Q. 83.796. |
| 14 | A. That looks like it would be approximately |
| 15 | right. I'm not sure I can determine precisely with what I |
| 16 | have in front of me, but that looks to be certainly in the |
| 17 | ballpark. |

Page 3314:

| 11 | MR. ZOBRIST: If -- Mr. Schnitzer, if you |
| :---: | :---: |
| 12 | can accept that subject to later verification, the company |
| 13 | does not have an objection. |
| 14 | THE WITNESS: I'm happy to do that. |
| 15 | I accept your number, subject to check. |

NorthBridge estimates percentile outcomes of off-system contribution margin based on a continuous probability distribution derived from the 1,000 scenarios as shown in the workpaper supporting exhibits MMS-2 and MMS-3 (see HC--Workpaper (MMS-2, MMS-3) - Summary of Results.xis, 'Calcs' tab).

The $40^{\text {th }}$ percentile is $\$ 83.455$ million, based on the continuous probability distribution. Mr. Schnitzer was asked, subject to check, to accept $\$ 83.796$ million as the $40^{\text {th }}$ percentile. The difference between the two figures is $\$ 0.341$ million.

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On page 3316, Mr. Schnitzer agreed, subject to check, that the grouping of outcomes bounded by $\$ 85.27$ million was the most likely outcome. Mr. Schnitzer also agreed that that grouping represented the peak of his 'Bell Curve':

| 11 | Q. Okay. Would you agree that the outcomes |
| ---: | :---: | :---: |
| 12 | bound at the 85.27 million figure is the single largest -- |
| 13 | or single most likely outcome of your results? |
| 14 | A. Subject to check, that's -- yes. I |
| 15 | understand what you're asking. Subject to check, I would |
| 16 | agree with that. |
| 17 | Q. Okay. And that represents the peak of your |
| 18 | Bell curve; is that correct? |
| 19 | A. That is correct, sir. |

NorthBridge estimates percentile outcomes of off-system contribution margin based on a continuous probability distribution derived from the 1,000 scenarios as shown in the workpaper supporting exhibits MMS-2 and MMS-3 (see HC--Workpaper (MMS-2, MMS-3) - Summary of Results.xls,. 'Calcs' tab).

The interval of outcomes bounded by $\$ 85.27$ million (upper bound) and $\$ 68.22$ million (lower bound) represents both the 'single most likely outcome' and the peak of the 'Bell Curve', as calculated from the continuous probability distribution.

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On page 3319 , Mr. Schnitzer agreed, subject to check, that $\$ 30$ million equated to the 43.3 percentile of his probabilistic distribution of off-system margin as filed in his Rebuttal Testimony in case ER-2009-0089:

| 4 | Q. Do you have -- hypothetically, if rates were |
| :---: | :---: | :---: |
| 5 | set at $\$ 30$ million in -- off-system sales margins were set |
| 6 | at 530 million in the last case, would you agree that this |
| 7 | equates to the 43.3 percentile? |
| 8 | A. Subject to check. And it's certainly the |
| 9 | case that it would have been above the 25 th percentile. |

NorthBridge estimates percentile outcomes of off-system contribution margin based on a continuous probability distribution derived from the 1,000 scenarios as shown in the workpaper supporting exhibits MMS-6, MMS-8, and MMS-10 (see Workpaper (MMS 6, 8,10) - Summary of Results (Rebuttal Update).xls, tab 'Rebuttal GLD' from case ER-2009-0089).
$\$ 30$ million equates to the 44.5 percentile, based on the continuous probability distribution.

Company Name: KCPL MO<br>Case Description: 2010 KCPL Rate Case

Case: ER-2010-0355
On pages 3319 and 3320 , Mr. Schnitzer agreed, subject to check, that the same percentile that corresponded to $\$ 30$ million on his distribution of off-system margin as filed in his Rebuttal Testimony in caseER-2009-0089 equated to $\$ 89.6$ million on the distribution as filed in his Direct Testimony in case ER-2010-0355:

| 21 22 23 24 25 | Q. okay, would you also accept, subject to check, that if we took that same 43.3 percentile, that level of a risk, and applied it to the work papers that you filed in this case, that the off-system sales margins you would get would be 89.6 million? |
| :---: | :---: |
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|  | VOL. 33 IN-CAMERA 02-03-2011 |
| 1 2 3 | A. Again, talking about the original filing in this case, not the -- not the True-up that was being referenced earlier? |
| 4 | Q. Correct. |
| 5 | A. Yeah. Subject to check, I would agree with that. |

NorthBridge estimates percentile outcomes of off-system contribution margin based on a continuous probability distribution derived from the 1,000 scenarios as shown in the workpaper supporting exhibits MMS-2 and MMS-3 (see HC--Workpaper (MMS-2, MMS-3) - Summary of Results.xls, 'Calcs' tab).

The margin amount on Mr. Schnitzer's probabilistic distribution as filed in his Direct Testimony that corresponds to the same percentile as $\$ 30$ million on the distribution filed with his Rebuttal Testimony in the prior Rate Case (ER-2009-0089) is $\$ 91.115$ million.

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On page 3320 , Mr. Schnitzer agreed, subject to check, that the $40^{\text {th }}$ percentile of his probabilistic distribution, as filed in his Direct Testimony, was $\$ 83.8$ million:

| 7 | Q. Okay. And would you agree -- I believe you |
| ---: | :---: | :---: |
| 8 | said earlier that the 43 rd -- or the 40 th percentile of the |
| 9 | model that you have filed in this case is 83.8 million; is |
| 10 | that correct? |
| 11 | A. Yes. Subject to check, that's correct. |

NorthBridge estimates percentile outcomes of off-system contribution margin based on a continuous probability distribution derived from the 1,000 scenarios as shown in the workpaper supporting exhibits MMS-2 and MMS-3 (see HC--Workpaper (MMS-2, MMS-3) - Summary of Results.xls, 'Calcs' tab).

The $40^{\text {th }}$ percentile is $\$ 83.455$ million, based on the continuous probability distribution. Mr. Schnitzer was asked, subject to check, to accept $\$ 83.796$ million as the $40^{\text {th }}$ percentile. The difference between the two figures is $\$ 0.341$ million.

# Company Name: KCPL MO <br> Case Description: 2010 KCPL Rate Case 

Case: ER-2010-0355
On page 3320 , Mr. Schnitzer agreed, subject to check, that the difference between the $40^{\text {th }}$ percentile of his probabilistic distribution of off-system margin, as filed in his Direct Testimony, and the level of margin that corresponded to "the same percentile from the last case" was $\$ 5.8$ million:

| 15 | Q. would you agree that by setting rates at the |
| :--- | :---: |
| 16 | 40th percentile, 83.8 million, we are setting rates $\$ 5.8$ |
| 17 | less risky than if we set them at the same percentile from |
| 18 | the last case? |
| 19 | A. with all the subject to checks that underlie |
| 20 | that, that would be what the math would indicate. |

NorthBridge estimates percentile outcomes of off-system contribution margin based on a continuous probability distribution derived from the 1,000 scenarios as shown in the workpaper supporting exhibits MMS-2 and MMS-3 (see HC--Workpaper (MMS-2, MMS-3) - Summary of Results.xls, 'Calcs' tab).

The difference in the level of margin at the two percentile is $\$ 7.661$ million. This is the difference between the $44.5^{\text {th }}$ percentile of the distribution, $\$ 91.115$ million, and the $40^{\text {th }}$ percentile of the distribution, $\$ 83.455$ million.

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On page 3327, Mr. Schnitzer agreed, subject to check, that the $40^{\text {th }}$ percentile of his probabilistic distribution, as filed in his Direct Testimony, was $\$ 83.8$ million:

```
Q. The 40th percentile is approximately 83.796
million. Did I get that -- or is that from the -- your
True-up? I'm not --
    A. No. No. You're -- you have that correct,
sir. 83.796, subject to check, is the number.
    Q. Okay. And then let me ask you this: I
mean, what -- what would the -- what would be the 33rd
percentile?
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NorthBridge estimates percentile outcomes of off-system contribution margin based on a continuous probability distribution derived from the 1,000 scenarios as shown in the workpaper supporting exhibits MMS-2 and MMS-3 (see HC--Workpaper (MMS-2, MMS-3) - Summary of Results.xls, 'Calcs' tab).

The $40^{\text {th }}$ percentile is $\$ 83.455$ million, based on the continuous probability distribution. Mr. Schnitzer was asked, subject to check, to accept $\$ 83.796$ million as the $40^{\text {th }}$ percentile. The difference between the two figures is $\$ 0.341$ million.

