



**International Association of
Plumbing and Mechanical Officials**

4755 East Philadelphia Street
Ontario, California – USA 91761-2816

Ph: 909.472.4100 | Fax: 909.472.4150
<http://www.iapmo.org>

July 22, 2026

VIA EMAIL ONLY: laura@greywateraction.org

Laura Allen
Greywater Action
2140 Four Oaks Grange Rd
Eugene, OR 97405

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Ms. Allen:

I am writing to inform you that we have received your negative ballot for Item #006 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

As indicated by the letter ballot, Item #006 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative vote on Item #006 PC 01 is considered resolved. The Technical Committee action on this item will be reported in the ROC as rejected.

Item #006 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 8 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to be "Hugo Aguilar", written over a light blue horizontal line.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WESand ROC Comments

Ballot Name:	Item # 006 Comment 01	
Voter Name	Vote	Comments
Allen, Laura	NEGATIVE W/COMMENT	I agree with the other comments.

2026 WEStand ROC Final Ballot Results

Ballot Name: Item # 006 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	8	33.33%
NEGATIVE W/COMMENT	16	66.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Cudahy, Michael	AFFIRMATIVE	Lenger, Markus	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Smith, Billy	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Tabakh, Amir	AFFIRMATIVE	Sovocool, Kent	NEGATIVE W/COMMENT
White, Charles	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Allen, Laura	NEGATIVE W/COMMENT	Tseng, Aster	NEGATIVE W/COMMENT
Crawford, Shawn	NEGATIVE W/COMMENT	Braband, Steven	Did not vote
Granger, Brian	NEGATIVE W/COMMENT	Kendzel, Jim	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Lando, Pat	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Lansing, John	NEGATIVE W/COMMENT		



July 22, 2026

VIA EMAIL ONLY: scrawford@rainwatermanagement.com

Shawn Crawford
Rainwater Management Solutions
2550 Shenandoah AVE NW
Roanoke, VA 24017

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Mr. Crawford:

I am writing to inform you that we have received your negative ballots for Items #006 PC 01, #088 PC 01, #088 PC 02, #088.01, and #104 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(3), your negative votes on Items #088 PC 01 and #088 PC 02 are considered not persuasive and, therefore, are considered resolved. Not persuasive negative votes must be affirmed by at least 75% of the voting members returning ballots (excluding abstentions) if the recommendation is considered by letter ballot. I have attached the final letter ballot for your review. As indicated by the letter ballot, more than 75% affirmed the negative votes as not persuasive. In addition, all negative votes and comments were re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #088 PC 01 achieved the necessary 75% affirmative vote of returned ballots (received 19 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

Item #088 PC 02 achieved the necessary 75% affirmative vote of returned ballots (received 19 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(1), your negative vote on Item #088.01 is a previously considered negative vote and, therefore, is considered resolved. I have attached the ROC final letter ballot for your review.

As indicated by the letter ballot, Item #088.01 achieved the necessary 67% affirmative of returned ballots. In addition, the negative vote and comment was re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #088.01 achieved the necessary 67% affirmative vote of returned ballots (received 16 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

As indicated by the letter ballot, Items #006 PC 01 and #104 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative votes on Items #006 PC 01 and #104 PC 01 are considered resolved. The Technical Committee action on these items will be reported in the ROC as rejected.

Item #006 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 8 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Item #104 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 11 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.



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Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to be "H. Aguilar", written over a light gray rectangular background.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WESand ROC Comments

Ballot Name:	Item # 006 Comment 01	
Voter Name	Vote	Comments
Crawford, Shawn	NEGATIVE W/COMMENT	I agree with Taylor Nokhoudian's comments. The proposed definition provides a clearer definition of log reduction target.

Ballot Name:	Item # 088 Comment 01	
Voter Name	Vote	Comments
Crawford, Shawn	NEGATIVE W/COMMENT	I agree with Taylor Nokhoudian's comments.

Ballot Name:	Item # 088 Comment 02	
Voter Name	Vote	Comments
Crawford, Shawn	NEGATIVE W/COMMENT	I agree with Taylor Nokhoudian's comments.

Ballot Name:	Item # 088.01 Committee Comment	
Voter Name	Vote	Comments
Crawford, Shawn	NEGATIVE W/COMMENT	I agree with Taylor Nokhoudian's comments.

Ballot Name:	Item # 104 Comment 01	
Voter Name	Vote	Comments
Crawford, Shawn	NEGATIVE W/COMMENT	I agree with the intent of the vacuum relief valve, but the figures are a little confusing and need to be updated.

2026 WEStand ROC Final Ballot Results

Ballot Name: Item # 006 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	8	33.33%
NEGATIVE W/COMMENT	16	66.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Cudahy, Michael	AFFIRMATIVE	Lenger, Markus	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Smith, Billy	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Tabakh, Amir	AFFIRMATIVE	Sovocool, Kent	NEGATIVE W/COMMENT
White, Charles	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Allen, Laura	NEGATIVE W/COMMENT	Tseng, Aster	NEGATIVE W/COMMENT
Crawford, Shawn	NEGATIVE W/COMMENT	Braband, Steven	Did not vote
Granger, Brian	NEGATIVE W/COMMENT	Kendzel, Jim	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Lando, Pat	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Lansing, John	NEGATIVE W/COMMENT		

Ballot Name: Item # 088 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	19	79.17%
NEGATIVE W/COMMENT	5	20.83%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Potts, Beverly	AFFIRMATIVE	Kendzel, Jim	Did not vote
Premier, Damon	AFFIRMATIVE	Koeller, John	Did not vote
Ribbs, Phil	AFFIRMATIVE	Layton, Rick	Did not vote
Smith, Billy	AFFIRMATIVE	Smith, Anton	Did not vote
Sovocool, Kent	AFFIRMATIVE		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 088 Comment 02
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	19	79.17%
NEGATIVE W/COMMENT	5	20.83%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Potts, Beverly	AFFIRMATIVE	Kendzel, Jim	Did not vote
Premier, Damon	AFFIRMATIVE	Koeller, John	Did not vote
Ribbs, Phil	AFFIRMATIVE	Layton, Rick	Did not vote
Smith, Billy	AFFIRMATIVE	Smith, Anton	Did not vote
Sovocool, Kent	AFFIRMATIVE		

Ballot Name: Item # 088.01 Committee Comment
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	16	66.67%
NEGATIVE W/COMMENT	8	33.33%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Osann, Edward	AFFIRMATIVE	Kendzel, Jim	Did not vote
Potts, Beverly	AFFIRMATIVE	Koeller, John	Did not vote
Premier, Damon	AFFIRMATIVE	Layton, Rick	Did not vote
Sovocool, Kent	AFFIRMATIVE	Smith, Anton	Did not vote
Tabakh, Amir	AFFIRMATIVE		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 104 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	11	45.83%
NEGATIVE W/COMMENT	13	54.17%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Cudahy, Michael	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Sovocool, Kent	AFFIRMATIVE	Braband, Steven	Did not vote
Tabakh, Amir	AFFIRMATIVE	Kendzel, Jim	Did not vote
Crawford, Shawn	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Majerowicz, James	NEGATIVE W/COMMENT		



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July 22, 2026

VIA EMAIL ONLY: bgranger@plu68.com

Brian Granger
UA Plumbers Local 68
PO Box 8746
Houston, TX 77249

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Mr. Granger:

I am writing to inform you that we have received your negative ballot for Item #006 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

As indicated by the letter ballot, Item #006 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative vote on Item #006 PC 01 is considered resolved. The Technical Committee action on this item will be reported in the ROC as rejected.

Item #006 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 8 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to be "Hugo Aguilar", with a stylized flourish at the end.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WESand ROC Comments

Ballot Name:	Item # 006 Comment 01	
Voter Name	Vote	Comments
Granger, Brian	NEGATIVE W/COMMENT	The proposed definition provides a clearer definition of “log reduction target.”

2026 WEStand ROC Final Ballot Results

Ballot Name: Item # 006 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	8	33.33%
NEGATIVE W/COMMENT	16	66.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Cudahy, Michael	AFFIRMATIVE	Lenger, Markus	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Smith, Billy	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Tabakh, Amir	AFFIRMATIVE	Sovocool, Kent	NEGATIVE W/COMMENT
White, Charles	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Allen, Laura	NEGATIVE W/COMMENT	Tseng, Aster	NEGATIVE W/COMMENT
Crawford, Shawn	NEGATIVE W/COMMENT	Braband, Steven	Did not vote
Granger, Brian	NEGATIVE W/COMMENT	Kendzel, Jim	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Lando, Pat	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Lansing, John	NEGATIVE W/COMMENT		



July 22, 2026

VIA EMAIL ONLY: rharlan@ualocal38.org

Richard Harlan
UA Local 38
2660 Newhall Street
San Francisco, CA 94124

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Mr. Harlan:

I am writing to inform you that we have received your negative ballots for Items #004 PC 01, #006 PC 01, #032 PC 01, #032 PC 02, #088 PC 01, #088 PC 02, #088.01, and #104 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(3), your negative votes on Items #004 PC 01, #032 PC 01, #032 PC 02, #088 PC 01, and #088 PC 02 are considered not persuasive and, therefore, are considered resolved. Not persuasive negative votes must be affirmed by at least 75% of the voting members returning ballots (excluding abstentions) if the recommendation is considered by letter ballot. I have attached the final letter ballot for your review. As indicated by the letter ballot, more than 75% affirmed the negative votes as not persuasive. In addition, all negative votes and comments were re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #004 PC 01 achieved the necessary 75% affirmative vote of returned ballots (received 20 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

Item #032 PC 01 achieved the necessary 75% affirmative vote of returned ballots (received 21 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

Item #032 PC 02 achieved the necessary 75% affirmative vote of returned ballots (received 21 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

Item #088 PC 01 achieved the necessary 75% affirmative vote of returned ballots (received 19 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

Item #088 PC 02 achieved the necessary 75% affirmative vote of returned ballots (received 19 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(1), your negative vote on Item #088.01 is a previously considered negative vote and, therefore, is considered resolved. I have attached the ROC final letter ballot for your review.

As indicated by the letter ballot, Item #088.01 achieved the necessary 67% affirmative of returned ballots. In addition, the negative vote and comment was re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #088.01 achieved the necessary 67% affirmative vote of returned ballots (received 16 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

As indicated by the letter ballot, Items #006 PC 01 and #104 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative votes on Items #006 PC 01 and #104 PC 01 are considered resolved. The Technical Committee action on these items will be reported in the ROC as rejected.



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Item #006 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 8 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Item #104 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 11 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to be "Hugo Aguilar", written over a light blue horizontal line.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WESand ROC Comments

Ballot Name:	Item # 004 Comment 01	
Voter Name	Vote	Comments
Harlan, Richard	NEGATIVE W/COMMENT	The substantiation supports the proposed change.

Ballot Name:	Item # 006 Comment 01	
Voter Name	Vote	Comments
Harlan, Richard	NEGATIVE W/COMMENT	The proposed definition provides a clearer definition of “log reduction target.”

Ballot Name:	Item # 032 Comment 01	
Voter Name	Vote	Comments
Harlan, Richard	NEGATIVE W/COMMENT	I agree with Phil Ribbs’ logic.

Ballot Name:	Item # 032 Comment 02	
Voter Name	Vote	Comments
Harlan, Richard	NEGATIVE W/COMMENT	I agree with Phil Ribbs’ logic.

Ballot Name:	Item # 088 Comment 01	
Voter Name	Vote	Comments
Harlan, Richard	NEGATIVE W/COMMENT	I agree with Taylor Nokhoudian's comments.

Ballot Name:	Item # 088 Comment 02	
Voter Name	Vote	Comments
Harlan, Richard	NEGATIVE W/COMMENT	I agree with Taylor Nokhoudian's comments.

Ballot Name:	Item # 088.01 Committee Comment	
Voter Name	Vote	Comments
Harlan, Richard	NEGATIVE W/COMMENT	I agree with the other comments.

Ballot Name:	Item # 104 Comment 01	
Voter Name	Vote	Comments
Harlan, Richard	NEGATIVE W/COMMENT	The addition of this drawing containing the errors pointed out in discussion undermines the credibility of the rest of the standard. While I am not opposed to the intent, the drawing is wrong and needs to be revised before being resubmitted.

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 004 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	20	83.33%
NEGATIVE W/COMMENT	4	16.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Braband, Steven	Did not vote
Nickelson, David	AFFIRMATIVE	Kendzel, Jim	Did not vote
Potts, Beverly	AFFIRMATIVE	Koeller, John	Did not vote
Premier, Damon	AFFIRMATIVE	Layton, Rick	Did not vote
Ribbs, Phil	AFFIRMATIVE	Smith, Anton	Did not vote
Smith, Billy	AFFIRMATIVE		

Ballot Name: Item # 006 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	8	33.33%
NEGATIVE W/COMMENT	16	66.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Cudahy, Michael	AFFIRMATIVE	Lenger, Markus	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Smith, Billy	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Tabakh, Amir	AFFIRMATIVE	Sovocool, Kent	NEGATIVE W/COMMENT
White, Charles	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Allen, Laura	NEGATIVE W/COMMENT	Tseng, Aster	NEGATIVE W/COMMENT
Crawford, Shawn	NEGATIVE W/COMMENT	Braband, Steven	Did not vote
Granger, Brian	NEGATIVE W/COMMENT	Kendzel, Jim	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Lando, Pat	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Lansing, John	NEGATIVE W/COMMENT		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 032 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	21	87.50%
NEGATIVE W/COMMENT	3	12.50%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Premier, Damon	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Smith, Billy	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Kehoe, Paula	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Braband, Steven	Did not vote
Majerowicz, James	AFFIRMATIVE	Kendzel, Jim	Did not vote
Nickelson, David	AFFIRMATIVE	Koeller, John	Did not vote
Nokhoudian, Taylor	AFFIRMATIVE	Layton, Rick	Did not vote
Osann, Edward	AFFIRMATIVE	Smith, Anton	Did not vote
Potts, Beverly	AFFIRMATIVE		

Ballot Name: Item # 032 Comment 02
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	21	87.50%
NEGATIVE W/COMMENT	3	12.50%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Premier, Damon	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Smith, Billy	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Kehoe, Paula	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Braband, Steven	Did not vote
Majerowicz, James	AFFIRMATIVE	Kendzel, Jim	Did not vote
Nickelson, David	AFFIRMATIVE	Koeller, John	Did not vote
Nokhoudian, Taylor	AFFIRMATIVE	Layton, Rick	Did not vote
Osann, Edward	AFFIRMATIVE	Smith, Anton	Did not vote
Potts, Beverly	AFFIRMATIVE		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 088 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	19	79.17%
NEGATIVE W/COMMENT	5	20.83%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Potts, Beverly	AFFIRMATIVE	Kendzel, Jim	Did not vote
Premier, Damon	AFFIRMATIVE	Koeller, John	Did not vote
Ribbs, Phil	AFFIRMATIVE	Layton, Rick	Did not vote
Smith, Billy	AFFIRMATIVE	Smith, Anton	Did not vote
Sovocool, Kent	AFFIRMATIVE		

Ballot Name: Item # 088 Comment 02
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	19	79.17%
NEGATIVE W/COMMENT	5	20.83%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Potts, Beverly	AFFIRMATIVE	Kendzel, Jim	Did not vote
Premier, Damon	AFFIRMATIVE	Koeller, John	Did not vote
Ribbs, Phil	AFFIRMATIVE	Layton, Rick	Did not vote
Smith, Billy	AFFIRMATIVE	Smith, Anton	Did not vote
Sovocool, Kent	AFFIRMATIVE		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 088.01 Committee Comment
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	16	66.67%
NEGATIVE W/COMMENT	8	33.33%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Osann, Edward	AFFIRMATIVE	Kendzel, Jim	Did not vote
Potts, Beverly	AFFIRMATIVE	Koeller, John	Did not vote
Premier, Damon	AFFIRMATIVE	Layton, Rick	Did not vote
Sovocool, Kent	AFFIRMATIVE	Smith, Anton	Did not vote
Tabakh, Amir	AFFIRMATIVE		

Ballot Name: Item # 104 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	11	45.83%
NEGATIVE W/COMMENT	13	54.17%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Cudahy, Michael	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Sovocool, Kent	AFFIRMATIVE	Braband, Steven	Did not vote
Tabakh, Amir	AFFIRMATIVE	Kendzel, Jim	Did not vote
Crawford, Shawn	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Majerowicz, James	NEGATIVE W/COMMENT		



July 22, 2026

VIA EMAIL ONLY: pkehoesf@gmail.com

Paula Kehoe
Self
1426 11th Ave
San Francisco, CA 94122

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Ms. Kehoe:

I am writing to inform you that we have received your negative ballots for Items #004 PC 01, #006 PC 01, #088 PC 01, #088 PC 02, #088.01, and #104 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(3), your negative votes on Items #004 PC 01, #088 PC 01, and #088 PC 02 are considered not persuasive and, therefore, are considered resolved. Not persuasive negative votes must be affirmed by at least 75% of the voting members returning ballots (excluding abstentions) if the recommendation is considered by letter ballot. I have attached the final letter ballot for your review. As indicated by the letter ballot, more than 75% affirmed the negative votes as not persuasive. In addition, all negative votes and comments were re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #004 PC 01 achieved the necessary 75% affirmative vote of returned ballots (received 20 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

Item #088 PC 01 achieved the necessary 75% affirmative vote of returned ballots (received 19 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

Item #088 PC 02 achieved the necessary 75% affirmative vote of returned ballots (received 19 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(1), your negative vote on Item #088.01 is a previously considered negative vote and, therefore, is considered resolved. I have attached the ROC final letter ballot for your review.

As indicated by the letter ballot, Item #088.01 achieved the necessary 67% affirmative of returned ballots. In addition, the negative vote and comment was re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #088.01 achieved the necessary 67% affirmative vote of returned ballots (received 16 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

As indicated by the letter ballot, Items #006 PC 01 and #104 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative votes on Items #006 PC 01 and #104 PC 01 are considered resolved. The Technical Committee action on these items will be reported in the ROC as rejected.

Item #006 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 8 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Item #104 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 11 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.



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<http://www.iapmo.org>

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to be "H. Aguilar", with a stylized flourish at the end.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WEstand ROC Comments

Ballot Name:	Item # 004 Comment 01	
Voter Name	Vote	Comments
Kehoe, Paula	NEGATIVE W/COMMENT	I agree with the other comments.

Ballot Name:	Item # 006 Comment 01	
Voter Name	Vote	Comments
Kehoe, Paula	NEGATIVE W/COMMENT	I agree with the other comments.

Ballot Name:	Item # 088 Comment 01	
Voter Name	Vote	Comments
Kehoe, Paula	NEGATIVE W/COMMENT	I agree with Taylor Nokhoudian's comments.

Ballot Name:	Item # 088 Comment 02	
Voter Name	Vote	Comments
Kehoe, Paula	NEGATIVE W/COMMENT	I agree with Taylor Nokhoudian's comments.

Ballot Name:	Item # 088.01 Committee Comment	
Voter Name	Vote	Comments
Kehoe, Paula	NEGATIVE W/COMMENT	I agree with the other comments.

Ballot Name:	Item # 104 Comment 01	
Voter Name	Vote	Comments
Kehoe, Paula	NEGATIVE W/COMMENT	I agree with some of the comments provided.

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 004 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	20	83.33%
NEGATIVE W/COMMENT	4	16.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Braband, Steven	Did not vote
Nickelson, David	AFFIRMATIVE	Kendzel, Jim	Did not vote
Potts, Beverly	AFFIRMATIVE	Koeller, John	Did not vote
Premier, Damon	AFFIRMATIVE	Layton, Rick	Did not vote
Ribbs, Phil	AFFIRMATIVE	Smith, Anton	Did not vote
Smith, Billy	AFFIRMATIVE		

Ballot Name: Item # 006 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	8	33.33%
NEGATIVE W/COMMENT	16	66.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Cudahy, Michael	AFFIRMATIVE	Lenger, Markus	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Smith, Billy	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Tabakh, Amir	AFFIRMATIVE	Sovocool, Kent	NEGATIVE W/COMMENT
White, Charles	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Allen, Laura	NEGATIVE W/COMMENT	Tseng, Aster	NEGATIVE W/COMMENT
Crawford, Shawn	NEGATIVE W/COMMENT	Braband, Steven	Did not vote
Granger, Brian	NEGATIVE W/COMMENT	Kendzel, Jim	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Lando, Pat	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Lansing, John	NEGATIVE W/COMMENT		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 088 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	19	79.17%
NEGATIVE W/COMMENT	5	20.83%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Potts, Beverly	AFFIRMATIVE	Kendzel, Jim	Did not vote
Premier, Damon	AFFIRMATIVE	Koeller, John	Did not vote
Ribbs, Phil	AFFIRMATIVE	Layton, Rick	Did not vote
Smith, Billy	AFFIRMATIVE	Smith, Anton	Did not vote
Sovocool, Kent	AFFIRMATIVE		

Ballot Name: Item # 088 Comment 02
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	19	79.17%
NEGATIVE W/COMMENT	5	20.83%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Potts, Beverly	AFFIRMATIVE	Kendzel, Jim	Did not vote
Premier, Damon	AFFIRMATIVE	Koeller, John	Did not vote
Ribbs, Phil	AFFIRMATIVE	Layton, Rick	Did not vote
Smith, Billy	AFFIRMATIVE	Smith, Anton	Did not vote
Sovocool, Kent	AFFIRMATIVE		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 088.01 Committee Comment
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	16	66.67%
NEGATIVE W/COMMENT	8	33.33%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Osann, Edward	AFFIRMATIVE	Kendzel, Jim	Did not vote
Potts, Beverly	AFFIRMATIVE	Koeller, John	Did not vote
Premier, Damon	AFFIRMATIVE	Layton, Rick	Did not vote
Sovocool, Kent	AFFIRMATIVE	Smith, Anton	Did not vote
Tabakh, Amir	AFFIRMATIVE		

Ballot Name: Item # 104 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	11	45.83%
NEGATIVE W/COMMENT	13	54.17%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Cudahy, Michael	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Sovocool, Kent	AFFIRMATIVE	Braband, Steven	Did not vote
Tabakh, Amir	AFFIRMATIVE	Kendzel, Jim	Did not vote
Crawford, Shawn	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Majerowicz, James	NEGATIVE W/COMMENT		



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<http://www.iapmo.org>

July 22, 2026

VIA EMAIL ONLY: pat@recodenow.org

Pat Lando
Recode
6607 SE Scott Dr.
Portland, OR 97215

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Mr. Lando:

I am writing to inform you that we have received your negative ballot for Item #006 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

As indicated by the letter ballot, Item #006 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative vote on Item #006 PC 01 is considered resolved. The Technical Committee action on this item will be reported in the ROC as rejected.

Item #006 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 8 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to be "H. Aguilar", with a stylized flourish at the end.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WESand ROC Comments

Ballot Name:	Item # 006 Comment 01	
Voter Name	Vote	Comments
Lando, Pat	NEGATIVE W/COMMENT	The proposal includes important terms that provide a better definition. Specifically, the terms "parameter" and "minimum" are critical changes that should be accepted.

2026 WEStand ROC Final Ballot Results

Ballot Name: Item # 006 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	8	33.33%
NEGATIVE W/COMMENT	16	66.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Cudahy, Michael	AFFIRMATIVE	Lenger, Markus	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Smith, Billy	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Tabakh, Amir	AFFIRMATIVE	Sovocool, Kent	NEGATIVE W/COMMENT
White, Charles	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Allen, Laura	NEGATIVE W/COMMENT	Tseng, Aster	NEGATIVE W/COMMENT
Crawford, Shawn	NEGATIVE W/COMMENT	Braband, Steven	Did not vote
Granger, Brian	NEGATIVE W/COMMENT	Kendzel, Jim	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Lando, Pat	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Lansing, John	NEGATIVE W/COMMENT		



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<http://www.iapmo.org>

July 22, 2026

VIA EMAIL ONLY: john.lansing@centerforbuilding.org

John Lansing
Center for Building of North America
2291 NW Glisan St, Apt 202
Portland, OR 97210

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Mr. Lansing:

I am writing to inform you that we have received your negative ballot for Item #006 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

As indicated by the letter ballot, Item #006 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative vote on Item #006 PC 01 is considered resolved. The Technical Committee action on this item will be reported in the ROC as rejected.

Item #006 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 8 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to be "Hugo Aguilar", written in a cursive style.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WESand ROC Comments

Ballot Name:	Item # 006 Comment 01	
Voter Name	Vote	Comments
Lansing, John	NEGATIVE W/COMMENT	I agree with the other comments.

2026 WEStand ROC Final Ballot Results

Ballot Name: Item # 006 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	8	33.33%
NEGATIVE W/COMMENT	16	66.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Cudahy, Michael	AFFIRMATIVE	Lenger, Markus	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Smith, Billy	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Tabakh, Amir	AFFIRMATIVE	Sovocool, Kent	NEGATIVE W/COMMENT
White, Charles	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Allen, Laura	NEGATIVE W/COMMENT	Tseng, Aster	NEGATIVE W/COMMENT
Crawford, Shawn	NEGATIVE W/COMMENT	Braband, Steven	Did not vote
Granger, Brian	NEGATIVE W/COMMENT	Kendzel, Jim	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Lando, Pat	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Lansing, John	NEGATIVE W/COMMENT		



**International Association of
Plumbing and Mechanical Officials**

4755 East Philadelphia Street
Ontario, California – USA 91761-2816

Ph: 909.472.4100 | Fax: 909.472.4150
<http://www.iapmo.org>

July 22, 2026

VIA EMAIL ONLY: markuslenger@cleanblu.com

Markus Lenger
CleanBlu Innovations Inc
34605 Via Catalina
Capistrano Beach, CA 92624

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Mr. Lenger:

I am writing to inform you that we have received your negative ballot for Item #006 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

As indicated by the letter ballot, Item #006 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative vote on Item #006 PC 01 is considered resolved. The Technical Committee action on this item will be reported in the ROC as rejected.

Item #006 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 8 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to be "Hugo Aguilar", with a stylized flourish at the end.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WESand ROC Comments

Ballot Name:	Item # 006 Comment 01	
Voter Name	Vote	Comments
Lenger, Markus	NEGATIVE W/COMMENT	These are clearer terms. I agree with the comments by Taylor Nokhoudian and others.

2026 WEStand ROC Final Ballot Results

Ballot Name: Item # 006 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	8	33.33%
NEGATIVE W/COMMENT	16	66.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Cudahy, Michael	AFFIRMATIVE	Lenger, Markus	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Smith, Billy	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Tabakh, Amir	AFFIRMATIVE	Sovocool, Kent	NEGATIVE W/COMMENT
White, Charles	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Allen, Laura	NEGATIVE W/COMMENT	Tseng, Aster	NEGATIVE W/COMMENT
Crawford, Shawn	NEGATIVE W/COMMENT	Braband, Steven	Did not vote
Granger, Brian	NEGATIVE W/COMMENT	Kendzel, Jim	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Lando, Pat	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Lansing, John	NEGATIVE W/COMMENT		



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July 22, 2026

VIA EMAIL ONLY: j.majerowicz@sbcglobal.net

James Majerowicz
Plumbers Local Union 130 U.A.
1340 West Washington Boulevard
Chicago, IL 60607

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Mr. Majerowicz:

I am writing to inform you that we have received your negative ballot for Item #104 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

As indicated by the letter ballot, Item #104 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative vote on Item #104 PC 01 is considered resolved. The Technical Committee action on this item will be reported in the ROC as rejected.

Item #104 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 11 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to be "H. Aguilar", written in a cursive style.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WESand ROC Comments

Ballot Name:	Item # 104 Comment 01	
Voter Name	Vote	Comments
Majerowicz, James	NEGATIVE W/COMMENT	This would indicate that the valve should be an air admittance valve which is not currently included in the UPC.



July 22, 2026

VIA EMAIL ONLY: david.nickelson@georgfischer.com

David Nickelson
Uponor
946 Wayne Dr
Winchester, VA 22601

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Mr. Nickelson:

I am writing to inform you that we have received your negative ballots for Items #006 PC 01, #008 PC 01, #093 PC 01, #093 PC 02, and #104 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(3), your negative votes on Items #093 PC 01 and #093 PC 02 are considered not persuasive and, therefore, are considered resolved. Not persuasive negative votes must be affirmed by at least 75% of the voting members returning ballots (excluding abstentions) if the recommendation is considered by letter ballot. I have attached the final letter ballot for your review. As indicated by the letter ballot, more than 75% affirmed the negative votes as not persuasive. In addition, all negative votes and comments were re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #093 PC 01 achieved the necessary 75% affirmative vote of returned ballots (received 23 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

Item #093 PC 02 achieved the necessary 75% affirmative vote of returned ballots (received 23 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(1), your negative vote on Item #008 PC 01 is a previously considered negative vote and, therefore, is considered resolved. I have attached the ROC final letter ballot for your review.

As indicated by the letter ballot, Item #008 PC 01 achieved the necessary 67% affirmative of returned ballots. In addition, the negative vote and comment was re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #008 PC 01 achieved the necessary 67% affirmative vote of returned ballots (received 17 affirmative).

29 Members eligible to vote – 4 not returned – 1 abstention = $24 \times 2/3 = 16$ affirmatives required.

As indicated by the letter ballot, Items #006 PC 01 and #104 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative votes on Items #006 PC 01 and #104 PC 01 are considered resolved. The Technical Committee action on these items will be reported in the ROC as rejected.

Item #006 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 8 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Item #104 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 11 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.



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Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to be "H. Aguilar", written over a light gray rectangular background.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WESand ROC Comments

Ballot Name:	Item # 006 Comment 01	
Voter Name	Vote	Comments
Nickelson, David	NEGATIVE W/COMMENT	I agree with Pat Lando that there are some further important clarifying terms included in the revised definition in Comment 01.

Ballot Name:	Item # 008 Comment 01	
Voter Name	Vote	Comments
Nickelson, David	NEGATIVE W/COMMENT	I agree with Kyle Thompson's comments specific to the sizing of the overall plumbing system. While there is some discussion in the substantiation regarding the waste side of low-flow toilets, there is no discussion or accommodation for the supply side. As stated in the substantiation, the WESand is a stretch code and should have higher standards; however, in this case, it seems to focus only on a specific fixture while neglecting the supply side of the system. This raises concerns for me regarding pipe sizing and water age within the system.

Ballot Name:	Item # 093 Comment 01	
Voter Name	Vote	Comments
Nickelson, David	NEGATIVE W/COMMENT	This comment now has an inconsistency with Public Comment #2 of this same item. In Public Comment #2, the committee amended Section A 103.7.2 (Ozone Systems) to add the phrase "or equivalent device" when discussing ORP sensors. However, in Public Comment #1 the committee did not take the same action for Section 1103.9.2 (Ozone Systems). This could lead to confusion as to whether equivalent devices are permitted in ozone systems.

Ballot Name:	Item # 093 Comment 02	
Voter Name	Vote	Comments
Nickelson, David	NEGATIVE W/COMMENT	This comment now has an inconsistency with Public Comment #2 of this same item. In Public Comment #2, the committee amended Section A 103.7.2 (Ozone Systems) to add the phrase "or equivalent device" when discussing ORP sensors. However, in Public Comment #1 the committee did not take the same action for Section 1103.9.2 (Ozone Systems). This could lead to confusion as to whether equivalent devices are permitted in ozone systems.

Ballot Name:	Item # 104 Comment 01	
Voter Name	Vote	Comments
Nickelson, David	NEGATIVE W/COMMENT	I agree with comments from Phil Ribbs. The substantiation of this comment says the purpose of the valve is to admit air to break the siphon. This would indicate that the valve should be an air admittance valve which is not currently included in the UPC.

2026 WEStand ROC Final Ballot Results

Ballot Name: Item # 006 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	8	33.33%
NEGATIVE W/COMMENT	16	66.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Cudahy, Michael	AFFIRMATIVE	Lenger, Markus	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Smith, Billy	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Tabakh, Amir	AFFIRMATIVE	Sovocool, Kent	NEGATIVE W/COMMENT
White, Charles	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Allen, Laura	NEGATIVE W/COMMENT	Tseng, Aster	NEGATIVE W/COMMENT
Crawford, Shawn	NEGATIVE W/COMMENT	Braband, Steven	Did not vote
Granger, Brian	NEGATIVE W/COMMENT	Kendzel, Jim	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Lando, Pat	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Lansing, John	NEGATIVE W/COMMENT		

Ballot Name: Item # 008 Comment 01
Total Votes: 25

Vote Summary

Option	Count	Percent
AFFIRMATIVE	17	70.83%
NEGATIVE W/COMMENT	7	29.17%
ABSTAIN W/COMMENT	1	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Harlan, Richard	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kehoe, Paula	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Koeller, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Cudahy, Michael	ABSTAIN W/COMMENT
Lenger, Markus	AFFIRMATIVE	Braband, Steven	Did not vote
Majerowicz, James	AFFIRMATIVE	Kendzel, Jim	Did not vote
Nokhoudian, Taylor	AFFIRMATIVE	Layton, Rick	Did not vote
Osann, Edward	AFFIRMATIVE	Smith, Anton	Did not vote
Potts, Beverly	AFFIRMATIVE		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 093 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	23	95.83%
NEGATIVE W/COMMENT	1	4.17%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Premier, Damon	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Ribbs, Phil	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Smith, Billy	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Harlan, Richard	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Kehoe, Paula	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Lando, Pat	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Braband, Steven	Did not vote
Lenger, Markus	AFFIRMATIVE	Kendzel, Jim	Did not vote
Majerowicz, James	AFFIRMATIVE	Koeller, John	Did not vote
Nokhoudian, Taylor	AFFIRMATIVE	Layton, Rick	Did not vote
Osann, Edward	AFFIRMATIVE	Smith, Anton	Did not vote
Potts, Beverly	AFFIRMATIVE		

Ballot Name: Item # 093 Comment 02
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	23	95.83%
NEGATIVE W/COMMENT	1	4.17%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Premier, Damon	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Ribbs, Phil	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Smith, Billy	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Harlan, Richard	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Kehoe, Paula	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Lando, Pat	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Braband, Steven	Did not vote
Lenger, Markus	AFFIRMATIVE	Kendzel, Jim	Did not vote
Majerowicz, James	AFFIRMATIVE	Koeller, John	Did not vote
Nokhoudian, Taylor	AFFIRMATIVE	Layton, Rick	Did not vote
Osann, Edward	AFFIRMATIVE	Smith, Anton	Did not vote
Potts, Beverly	AFFIRMATIVE		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 104 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	11	45.83%
NEGATIVE W/COMMENT	13	54.17%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Cudahy, Michael	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Sovocool, Kent	AFFIRMATIVE	Braband, Steven	Did not vote
Tabakh, Amir	AFFIRMATIVE	Kendzel, Jim	Did not vote
Crawford, Shawn	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Majerowicz, James	NEGATIVE W/COMMENT		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 104 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	11	45.83%
NEGATIVE W/COMMENT	13	54.17%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Cudahy, Michael	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Sovocool, Kent	AFFIRMATIVE	Braband, Steven	Did not vote
Tabakh, Amir	AFFIRMATIVE	Kendzel, Jim	Did not vote
Crawford, Shawn	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Majerowicz, James	NEGATIVE W/COMMENT		



July 22, 2026

VIA EMAIL ONLY: nokhoudian@sflower.org

Taylor Nokhoudian
San Francisco Public Utilities Commission
525 Golden Gate Ave, 10th Floor
San Francisco, CA 94102

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Ms. Nokhoudian:

I am writing to inform you that we have received your negative ballots for Items #004 PC 01, #006 PC 01, #088 PC 01, #088 PC 02, #088.01, and #104 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(3), your negative votes on Items #004 PC 01, #088 PC 01, and #088 PC 02 are considered not persuasive and, therefore, are considered resolved. Not persuasive negative votes must be affirmed by at least 75% of the voting members returning ballots (excluding abstentions) if the recommendation is considered by letter ballot. I have attached the final letter ballot for your review. As indicated by the letter ballot, more than 75% affirmed the negative votes as not persuasive. In addition, all negative votes and comments were re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #004 PC 01 achieved the necessary 75% affirmative vote of returned ballots (received 20 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

Item #088 PC 01 achieved the necessary 75% affirmative vote of returned ballots (received 19 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

Item #088 PC 02 achieved the necessary 75% affirmative vote of returned ballots (received 19 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(1), your negative vote on Item #088.01 is a previously considered negative vote and, therefore, is considered resolved. I have attached the ROC final letter ballot for your review.

As indicated by the letter ballot, Item #088.01 achieved the necessary 67% affirmative of returned ballots. In addition, the negative vote and comment was re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #088.01 achieved the necessary 67% affirmative vote of returned ballots (received 16 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

As indicated by the letter ballot, Items #006 PC 01 and #104 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative votes on Items #006 PC 01 and #104 PC 01 are considered resolved. The Technical Committee action on these items will be reported in the ROC as rejected.

Item #006 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 8 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Item #104 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 11 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.



**International Association of
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Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to be "H. Aguilar", written over a light gray rectangular background.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WESand ROC Comments

Ballot Name:	Item # 004 Comment 01	
Voter Name	Vote	Comments
Nokhoudian, Taylor	NEGATIVE W/COMMENT	The definition provides a straightforward description that supports related provisions in the WESand.

Ballot Name:	Item # 006 Comment 01	
Voter Name	Vote	Comments
Nokhoudian, Taylor	NEGATIVE W/COMMENT	The proposed definition provides a clearer definition of “log reduction target.”

Ballot Name:	Item # 088 Comment 01	
Voter Name	Vote	Comments
Nokhoudian, Taylor	NEGATIVE W/COMMENT	There were technical and structural issues introduced during the ROP revision process, and internal consistency is needed within the standard. The ROP updates introduce inconsistencies between the provisional text and the associated tables, particularly with respect to monitoring methods and parameters. As written, the revisions allow certain reuse applications to rely on periodic grab sampling while simultaneously listing parameters that are inherently operational and intended for real-time observation. This creates ambiguity regarding whether the standard is requiring process monitoring, compliance verification, or both, and how those requirements are to be practically implemented. Updated language is needed to apply uniform monitoring parameters without regard to use case or monitoring method, resulting in requirements that are not technically meaningful when applied outside a continuous monitoring context. This misalignment reduces clarity for designers, installers, and authorities having jurisdiction, and increases the likelihood of inconsistent interpretation and enforcement.

Ballot Name:	Item # 088 Comment 02	
Voter Name	Vote	Comments
Nokhoudian, Taylor	NEGATIVE W/COMMENT	There were technical and structural issues introduced during the ROP revision process, and internal consistency is needed within the standard. The ROP updates introduce inconsistencies between the provisional text and the associated tables, particularly with respect to monitoring methods and parameters. As written, the revisions allow certain reuse applications to rely on periodic grab sampling while simultaneously listing parameters that are inherently operational and intended for real-time observation. This creates ambiguity regarding whether the standard is requiring process monitoring, compliance verification, or both, and how those requirements are to be practically implemented. Updated language is needed to apply uniform monitoring parameters without regard to use case or monitoring method, resulting in requirements that are not technically meaningful when applied outside a continuous monitoring context. This

2026 WESand ROC Comments

		misalignment reduces clarity for designers, installers, and authorities having jurisdiction, and increases the likelihood of inconsistent interpretation and enforcement.
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Ballot Name:	Item # 088.01 Committee Comment	
Voter Name	Vote	Comments
Nokhoudian, Taylor	NEGATIVE W/COMMENT	This updated language applies uniform monitoring parameters without regard to use case or monitoring method, resulting in requirements that are not technically meaningful when applied outside a continuous monitoring context. This misalignment reduces clarity for designers, installers, and authorities having jurisdiction, and increases the likelihood of inconsistent interpretation and enforcement.

Ballot Name:	Item # 104 Comment 01	
Voter Name	Vote	Comments
Nokhoudian, Taylor	NEGATIVE W/COMMENT	I agree with the intent, but the figures are confusing, and there is no clear consensus from the committee.

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 004 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	20	83.33%
NEGATIVE W/COMMENT	4	16.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Braband, Steven	Did not vote
Nickelson, David	AFFIRMATIVE	Kendzel, Jim	Did not vote
Potts, Beverly	AFFIRMATIVE	Koeller, John	Did not vote
Premier, Damon	AFFIRMATIVE	Layton, Rick	Did not vote
Ribbs, Phil	AFFIRMATIVE	Smith, Anton	Did not vote
Smith, Billy	AFFIRMATIVE		

Ballot Name: Item # 006 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	8	33.33%
NEGATIVE W/COMMENT	16	66.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Cudahy, Michael	AFFIRMATIVE	Lenger, Markus	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Smith, Billy	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Tabakh, Amir	AFFIRMATIVE	Sovocool, Kent	NEGATIVE W/COMMENT
White, Charles	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Allen, Laura	NEGATIVE W/COMMENT	Tseng, Aster	NEGATIVE W/COMMENT
Crawford, Shawn	NEGATIVE W/COMMENT	Braband, Steven	Did not vote
Granger, Brian	NEGATIVE W/COMMENT	Kendzel, Jim	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Lando, Pat	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Lansing, John	NEGATIVE W/COMMENT		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 088 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	19	79.17%
NEGATIVE W/COMMENT	5	20.83%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Potts, Beverly	AFFIRMATIVE	Kendzel, Jim	Did not vote
Premier, Damon	AFFIRMATIVE	Koeller, John	Did not vote
Ribbs, Phil	AFFIRMATIVE	Layton, Rick	Did not vote
Smith, Billy	AFFIRMATIVE	Smith, Anton	Did not vote
Sovocool, Kent	AFFIRMATIVE		

Ballot Name: Item # 088 Comment 02
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	19	79.17%
NEGATIVE W/COMMENT	5	20.83%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Potts, Beverly	AFFIRMATIVE	Kendzel, Jim	Did not vote
Premier, Damon	AFFIRMATIVE	Koeller, John	Did not vote
Ribbs, Phil	AFFIRMATIVE	Layton, Rick	Did not vote
Smith, Billy	AFFIRMATIVE	Smith, Anton	Did not vote
Sovocool, Kent	AFFIRMATIVE		

2026 WEstand ROC Final Ballot Results

Ballot Name:		Item # 088.01 Committee Comment	
Total Votes:		24	
Vote Summary			
Option	Count	Percent	
AFFIRMATIVE	16	66.67%	
NEGATIVE W/COMMENT	8	33.33%	
ABSTAIN W/COMMENT	0		
Voter Name			
Allen, Laura	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Osann, Edward	AFFIRMATIVE	Kendzel, Jim	Did not vote
Potts, Beverly	AFFIRMATIVE	Koeller, John	Did not vote
Premier, Damon	AFFIRMATIVE	Layton, Rick	Did not vote
Sovocool, Kent	AFFIRMATIVE	Smith, Anton	Did not vote
Tabakh, Amir	AFFIRMATIVE		

Ballot Name:		Item # 104 Comment 01	
Total Votes:		24	
Vote Summary			
Option	Count	Percent	
AFFIRMATIVE	11	45.83%	
NEGATIVE W/COMMENT	13	54.17%	
ABSTAIN W/COMMENT	0		
Voter Name			
Allen, Laura	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Cudahy, Michael	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Sovocool, Kent	AFFIRMATIVE	Braband, Steven	Did not vote
Tabakh, Amir	AFFIRMATIVE	Kendzel, Jim	Did not vote
Crawford, Shawn	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Majerowicz, James	NEGATIVE W/COMMENT		



July 22, 2026

VIA EMAIL ONLY: eosann@starpower.net

Ed Osann
Self
5475 31st Street,
NW Washington, DC 20015

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Mr. Osann:

I am writing to inform you that we have received your negative ballots for Items #004 PC 01, #006 PC 01, #088 PC 01, #088 PC 02, and #104 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(3), your negative votes on Items #004 PC 01, #088 PC 01, and #088 PC 02 are considered not persuasive and, therefore, are considered resolved. Not persuasive negative votes must be affirmed by at least 75% of the voting members returning ballots (excluding abstentions) if the recommendation is considered by letter ballot. I have attached the final letter ballot for your review.

As indicated by the letter ballot, more than 75% affirmed the negative votes as not persuasive. In addition, all negative votes and comments were re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #004 PC 01 achieved the necessary 75% affirmative vote of returned ballots (received 20 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

Item #088 PC 01 achieved the necessary 75% affirmative vote of returned ballots (received 19 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

Item #088 PC 02 achieved the necessary 75% affirmative vote of returned ballots (received 19 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

As indicated by the letter ballot, Items #006 PC 01 and #104 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative votes on Items #006 PC 01 and #104 PC 01 are considered resolved. The Technical Committee action on these items will be reported in the ROC as rejected.

Item #006 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 8 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Item #104 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 11 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.



**International Association of
Plumbing and Mechanical Officials**

4755 East Philadelphia Street
Ontario, California – USA 91761-2816

Ph: 909.472.4100 | Fax: 909.472.4150
<http://www.iapmo.org>

Sincerely,

A handwritten signature in black ink, appearing to be "H. Aguilar", written over a light gray rectangular background.

Hugo Aguilar, P.E.
Secretary, Executive Committee
CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WESand ROC Comments

Ballot Name:	Item # 004 Comment 01	
Voter Name	Vote	Comments
Osann, Edward	NEGATIVE W/COMMENT	I agree with the proponent's substantiation.

Ballot Name:	Item # 006 Comment 01	
Voter Name	Vote	Comments
Osann, Edward	NEGATIVE W/COMMENT	I agree with comment by Taylor Nokhoudian.

Ballot Name:	Item # 088 Comment 01	
Voter Name	Vote	Comments
Osann, Edward	NEGATIVE W/COMMENT	I agree with Taylor Nokhoudian's comments.

Ballot Name:	Item # 088 Comment 02	
Voter Name	Vote	Comments
Osann, Edward	NEGATIVE W/COMMENT	I agree with Taylor Nokhoudian's comments.

Ballot Name:	Item # 104 Comment 01	
Voter Name	Vote	Comments
Osann, Edward	NEGATIVE W/COMMENT	I agree with at least some of Phil Ribbs' negative comments.

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 004 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	20	83.33%
NEGATIVE W/COMMENT	4	16.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Braband, Steven	Did not vote
Nickelson, David	AFFIRMATIVE	Kendzel, Jim	Did not vote
Potts, Beverly	AFFIRMATIVE	Koeller, John	Did not vote
Premier, Damon	AFFIRMATIVE	Layton, Rick	Did not vote
Ribbs, Phil	AFFIRMATIVE	Smith, Anton	Did not vote
Smith, Billy	AFFIRMATIVE		

Ballot Name: Item # 006 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	8	33.33%
NEGATIVE W/COMMENT	16	66.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Cudahy, Michael	AFFIRMATIVE	Lenger, Markus	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Smith, Billy	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Tabakh, Amir	AFFIRMATIVE	Sovocool, Kent	NEGATIVE W/COMMENT
White, Charles	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Allen, Laura	NEGATIVE W/COMMENT	Tseng, Aster	NEGATIVE W/COMMENT
Crawford, Shawn	NEGATIVE W/COMMENT	Braband, Steven	Did not vote
Granger, Brian	NEGATIVE W/COMMENT	Kendzel, Jim	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Lando, Pat	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Lansing, John	NEGATIVE W/COMMENT		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 088 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	19	79.17%
NEGATIVE W/COMMENT	5	20.83%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Potts, Beverly	AFFIRMATIVE	Kendzel, Jim	Did not vote
Premier, Damon	AFFIRMATIVE	Koeller, John	Did not vote
Ribbs, Phil	AFFIRMATIVE	Layton, Rick	Did not vote
Smith, Billy	AFFIRMATIVE	Smith, Anton	Did not vote
Sovocool, Kent	AFFIRMATIVE		

Ballot Name: Item # 088 Comment 02
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	19	79.17%
NEGATIVE W/COMMENT	5	20.83%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Potts, Beverly	AFFIRMATIVE	Kendzel, Jim	Did not vote
Premier, Damon	AFFIRMATIVE	Koeller, John	Did not vote
Ribbs, Phil	AFFIRMATIVE	Layton, Rick	Did not vote
Smith, Billy	AFFIRMATIVE	Smith, Anton	Did not vote
Sovocool, Kent	AFFIRMATIVE		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 104 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	11	45.83%
NEGATIVE W/COMMENT	13	54.17%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Cudahy, Michael	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Sovocool, Kent	AFFIRMATIVE	Braband, Steven	Did not vote
Tabakh, Amir	AFFIRMATIVE	Kendzel, Jim	Did not vote
Crawford, Shawn	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Majerowicz, James	NEGATIVE W/COMMENT		



International Association of Plumbing and Mechanical Officials

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<http://www.iapmo.org>

July 22, 2026

VIA EMAIL ONLY: dpremer@accoes.com

Damon Premer
ACCO
2554 Armacost Ave
Los Angeles, CA 90064

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Mr. Premer:

I am writing to inform you that we have received your negative ballots for Items #006 PC 01, #008 PC 01, and #104 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(1), your negative vote on Item #008 PC 01 is a previously considered negative vote and, therefore, is considered resolved. I have attached the ROC final letter ballot for your review.

As indicated by the letter ballot, Item #008 PC 01 achieved the necessary 67% affirmative of returned ballots. In addition, the negative vote and comment was re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #008 PC 01 achieved the necessary 67% affirmative vote of returned ballots (received 17 affirmative).
29 Members eligible to vote – 4 not returned – 1 abstention = $24 \times 2/3 = 16$ affirmatives required.

As indicated by the letter ballot, Items #006 PC 01 and #104 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative votes on Items #006 PC 01 and #104 PC 01 are considered resolved. The Technical Committee action on these items will be reported in the ROC as rejected.

Item #006 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 8 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Item #104 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 11 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to read "H. Aguilar", with a stylized flourish at the end.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WESand ROC Comments

Ballot Name:	Item # 006 Comment 01	
Voter Name	Vote	Comments
Premer, Damon	NEGATIVE W/COMMENT	I am in agreement with the other comments.

Ballot Name:	Item # 008 Comment 01	
Voter Name	Vote	Comments
Premer, Damon	NEGATIVE W/COMMENT	I agree with Kyle Thompson's comment.

Ballot Name:	Item # 104 Comment 01	
Voter Name	Vote	Comments
Premer, Damon	NEGATIVE W/COMMENT	While I am voting against this, I have a few notes for making the drawing better. AAVs are not mentioned in the UPC, and I think Phil Ribbs' statement, "They are not in the UPC and not designed to accept pressure," is accurate. The nomenclature should state "vacuum relief valve as in UPC Section 608.7." This is a different application, but that is the intended concept (to allow air in when the pump is not pumping). I also wanted to address the 1-inch I.D. discharge pipe size. This is the exact size of the pump discharge of the clothes washer. Yes, we know the receiver pipe at minimum is to be 2-inches for a clothes washer standpipe.

2026 WEStand ROC Final Ballot Results

Ballot Name: Item # 006 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	8	33.33%
NEGATIVE W/COMMENT	16	66.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Cudahy, Michael	AFFIRMATIVE	Lenger, Markus	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Smith, Billy	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Tabakh, Amir	AFFIRMATIVE	Sovocool, Kent	NEGATIVE W/COMMENT
White, Charles	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Allen, Laura	NEGATIVE W/COMMENT	Tseng, Aster	NEGATIVE W/COMMENT
Crawford, Shawn	NEGATIVE W/COMMENT	Braband, Steven	Did not vote
Granger, Brian	NEGATIVE W/COMMENT	Kendzel, Jim	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Lando, Pat	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Lansing, John	NEGATIVE W/COMMENT		

Ballot Name: Item # 008 Comment 01
Total Votes: 25

Vote Summary

Option	Count	Percent
AFFIRMATIVE	17	70.83%
NEGATIVE W/COMMENT	7	29.17%
ABSTAIN W/COMMENT	1	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Harlan, Richard	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kehoe, Paula	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Koeller, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Cudahy, Michael	ABSTAIN W/COMMENT
Lenger, Markus	AFFIRMATIVE	Braband, Steven	Did not vote
Majerowicz, James	AFFIRMATIVE	Kendzel, Jim	Did not vote
Nokhoudian, Taylor	AFFIRMATIVE	Layton, Rick	Did not vote
Osann, Edward	AFFIRMATIVE	Smith, Anton	Did not vote
Potts, Beverly	AFFIRMATIVE		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 104 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	11	45.83%
NEGATIVE W/COMMENT	13	54.17%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Cudahy, Michael	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Sovocool, Kent	AFFIRMATIVE	Braband, Steven	Did not vote
Tabakh, Amir	AFFIRMATIVE	Kendzel, Jim	Did not vote
Crawford, Shawn	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Majerowicz, James	NEGATIVE W/COMMENT		



July 22, 2026

VIA EMAIL ONLY: philribbs@aol.com

Phil Ribbs
PHR Consultants
206 Cypress Park
Santa Cruz, CA 95060

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Mr. Ribbs:

I am writing to inform you that we have received your negative ballots for Items #006 PC 01, #008 PC 01, #032 PC 01, #032 PC 02, #088.01, and #104 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(3), your negative votes on Items #032 PC 01 and #032 PC 02 are considered not persuasive and, therefore, are considered resolved. Not persuasive negative votes must be affirmed by at least 75% of the voting members returning ballots (excluding abstentions) if the recommendation is considered by letter ballot. I have attached the final letter ballot for your review. As indicated by the letter ballot, more than 75% affirmed the negative votes as not persuasive. In addition, all negative votes and comments were re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #032 PC 01 achieved the necessary 75% affirmative vote of returned ballots (received 21 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

Item #032 PC 02 achieved the necessary 75% affirmative vote of returned ballots (received 21 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(1), your negative votes on Items #008 PC 01 and #088.01 are previously considered negative votes and, therefore, are considered resolved. I have attached the ROC final letter ballot for your review.

As indicated by the letter ballot, Items #008 PC 01 and #088.01 achieved the necessary 67% affirmative of returned ballots. In addition, the negative votes and comments were re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #008 PC 01 achieved the necessary 67% affirmative vote of returned ballots (received 17 affirmative).

29 Members eligible to vote – 4 not returned – 1 abstention = $24 \times 2/3 = 16$ affirmatives required.

Item #088.01 achieved the necessary 67% affirmative vote of returned ballots (received 16 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

As indicated by the letter ballot, Items #006 PC 01 and #104 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative votes on Items #006 PC 01 and #104 PC 01 are considered resolved. The Technical Committee action on these items will be reported in the ROC as rejected.

Item #006 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 8 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Item #104 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 11 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.



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Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to be "H. Aguilar", with a stylized flourish extending from the end.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WEstand ROC Comments

Ballot Name:	Item # 006 Comment 01	
Voter Name	Vote	Comments
Ribbs, Phil	NEGATIVE W/COMMENT	The proposal includes two important terms that provide a better definition. Specifically, the terms "parameter" and "minimum" are critical changes that should be accepted.

Ballot Name:	Item # 008 Comment 01	
Voter Name	Vote	Comments
Ribbs, Phil	NEGATIVE W/COMMENT	I am in support of Kyle Thompson's lengthy opposition. I concur with the initial statement made by the TC for rejecting this proposal.

Ballot Name:	Item # 032 Comment 01	
Voter Name	Vote	Comments
Ribbs, Phil	NEGATIVE W/COMMENT	Although Public Comment #1 and Public Comment #2 result in the same new proposed language, the substantiation provided with Public Comment #1 is acute, precise, and verifiable. Whereas the substantiation provided with Public Comment #2 is incomplete and therefore inaccurate.

Ballot Name:	Item # 032 Comment 02	
Voter Name	Vote	Comments
Ribbs, Phil	NEGATIVE W/COMMENT	Although Public Comment #1 and Public Comment #2 result in the same new proposed language, the substantiation provided with Public Comment #1 is acute, precise, and verifiable. Whereas the substantiation provided with Public Comment #2 is incomplete and therefore inaccurate.

Ballot Name:	Item # 088.01 Committee Comment	
Voter Name	Vote	Comments
Ribbs, Phil	NEGATIVE W/COMMENT	I agree with Taylor Nokhodian's (San Francisco Public Utilities Commission) comments.

Ballot Name:	Item # 104 Comment 01	
Voter Name	Vote	Comments
Ribbs, Phil	NEGATIVE W/COMMENT	I am casting a negative vote on this item for the following reasons: 1. There is no need for an air admittance valve (AAV), which is prohibited by the UPC and does not have an industry recognized standard of construction. Also, AAV will fail when subjected to pressure and therefore will leak. 2. There is no requirement for a vent on the discharge piping of the automatic washer terminating to the exterior. 3. The piping going outside is fine, except it is undersized. In my opinion, the drain pipe to the exterior should be a minimum of 1½ inches since it will receive the pressure discharge from the automatic washer. 4. The fitting at the change of direction from vertical to horizontal should be a medium sweep drainage fitting as required by the UPC. 5. Most importantly, I believe it is inappropriate to include a non-compliant plumbing diagram in a code or standard published by IAPMO.

2026 WEStand ROC Final Ballot Results

Ballot Name: Item # 006 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	8	33.33%
NEGATIVE W/COMMENT	16	66.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Cudahy, Michael	AFFIRMATIVE	Lenger, Markus	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Smith, Billy	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Tabakh, Amir	AFFIRMATIVE	Sovocool, Kent	NEGATIVE W/COMMENT
White, Charles	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Allen, Laura	NEGATIVE W/COMMENT	Tseng, Aster	NEGATIVE W/COMMENT
Crawford, Shawn	NEGATIVE W/COMMENT	Braband, Steven	Did not vote
Granger, Brian	NEGATIVE W/COMMENT	Kendzel, Jim	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Lando, Pat	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Lansing, John	NEGATIVE W/COMMENT		

Ballot Name: Item # 008 Comment 01
Total Votes: 25

Vote Summary

Option	Count	Percent
AFFIRMATIVE	17	70.83%
NEGATIVE W/COMMENT	7	29.17%
ABSTAIN W/COMMENT	1	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Harlan, Richard	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kehoe, Paula	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Koeller, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Cudahy, Michael	ABSTAIN W/COMMENT
Lenger, Markus	AFFIRMATIVE	Braband, Steven	Did not vote
Majerowicz, James	AFFIRMATIVE	Kendzel, Jim	Did not vote
Nokhoudian, Taylor	AFFIRMATIVE	Layton, Rick	Did not vote
Osann, Edward	AFFIRMATIVE	Smith, Anton	Did not vote
Potts, Beverly	AFFIRMATIVE		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 032 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	21	87.50%
NEGATIVE W/COMMENT	3	12.50%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Premier, Damon	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Smith, Billy	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Kehoe, Paula	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Braband, Steven	Did not vote
Majerowicz, James	AFFIRMATIVE	Kendzel, Jim	Did not vote
Nickelson, David	AFFIRMATIVE	Koeller, John	Did not vote
Nokhoudian, Taylor	AFFIRMATIVE	Layton, Rick	Did not vote
Osann, Edward	AFFIRMATIVE	Smith, Anton	Did not vote
Potts, Beverly	AFFIRMATIVE		

Ballot Name: Item # 032 Comment 02
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	21	87.50%
NEGATIVE W/COMMENT	3	12.50%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Premier, Damon	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Smith, Billy	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Kehoe, Paula	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Braband, Steven	Did not vote
Majerowicz, James	AFFIRMATIVE	Kendzel, Jim	Did not vote
Nickelson, David	AFFIRMATIVE	Koeller, John	Did not vote
Nokhoudian, Taylor	AFFIRMATIVE	Layton, Rick	Did not vote
Osann, Edward	AFFIRMATIVE	Smith, Anton	Did not vote
Potts, Beverly	AFFIRMATIVE		

2026 WEstand ROC Final Ballot Results

Ballot Name:		Item # 088.01 Committee Comment	
Total Votes:		24	
Vote Summary			
Option	Count	Percent	
AFFIRMATIVE	16	66.67%	
NEGATIVE W/COMMENT	8	33.33%	
ABSTAIN W/COMMENT	0		
Voter Name			
Allen, Laura	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Osann, Edward	AFFIRMATIVE	Kendzel, Jim	Did not vote
Potts, Beverly	AFFIRMATIVE	Koeller, John	Did not vote
Premier, Damon	AFFIRMATIVE	Layton, Rick	Did not vote
Sovocool, Kent	AFFIRMATIVE	Smith, Anton	Did not vote
Tabakh, Amir	AFFIRMATIVE		

Ballot Name:		Item # 104 Comment 01	
Total Votes:		24	
Vote Summary			
Option	Count	Percent	
AFFIRMATIVE	11	45.83%	
NEGATIVE W/COMMENT	13	54.17%	
ABSTAIN W/COMMENT	0		
Voter Name			
Allen, Laura	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Cudahy, Michael	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Sovocool, Kent	AFFIRMATIVE	Braband, Steven	Did not vote
Tabakh, Amir	AFFIRMATIVE	Kendzel, Jim	Did not vote
Crawford, Shawn	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Majerowicz, James	NEGATIVE W/COMMENT		



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<http://www.iapmo.org>

July 22, 2026

VIA EMAIL ONLY: bsmith@aspe.org

Billy Smith
American Society of Plumbing Engineers (ASPE)
6400 Shafer Court, Suite 350
Rosemont, IL 60018

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Mr. Smith:

I am writing to inform you that we have received your negative ballots for Items #008 PC 01, #088.01, and #104 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(1), your negative votes on Items #008 PC 01 and #088.01 are previously considered negative votes and, therefore, are considered resolved. I have attached the ROC final letter ballot for your review.

As indicated by the letter ballot, Items #008 PC 01 and #088.01 achieved the necessary 67% affirmative of returned ballots. In addition, the negative votes and comments were re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #008 PC 01 achieved the necessary 67% affirmative vote of returned ballots (received 17 affirmative).
29 Members eligible to vote – 4 not returned – 1 abstention = $24 \times 2/3 = 16$ affirmatives required.

Item #088.01 achieved the necessary 67% affirmative vote of returned ballots (received 16 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

As indicated by the letter ballot, Item #104 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative vote on Item #104 PC 01 is considered resolved. The Technical Committee action on this item will be reported in the ROC as rejected.

Item #104 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 11 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to read "Hugo Aguilar", is written over a light blue horizontal line.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WESand ROC Comments

Ballot Name:	Item # 008 Comment 01	
Voter Name	Vote	Comments
Smith, Billy	NEGATIVE W/COMMENT	I agree with Kyle Thompson's rationale.

Ballot Name:	Item # 088.01 Committee Comment	
Voter Name	Vote	Comments
Smith, Billy	NEGATIVE W/COMMENT	I agree with Taylor Nokhoudian's comments.

Ballot Name:	Item # 104 Comment 01	
Voter Name	Vote	Comments
Smith, Billy	NEGATIVE W/COMMENT	I agree with Phil Ribbs' comments.

2026 WEStand ROC Final Ballot Results

Ballot Name: Item # 008 Comment 01
Total Votes: 25

Vote Summary

Option	Count	Percent
AFFIRMATIVE	17	70.83%
NEGATIVE W/COMMENT	7	29.17%
ABSTAIN W/COMMENT	1	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Harlan, Richard	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kehoe, Paula	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Koeller, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Cudahy, Michael	ABSTAIN W/COMMENT
Lenger, Markus	AFFIRMATIVE	Braband, Steven	Did not vote
Majerowicz, James	AFFIRMATIVE	Kendzel, Jim	Did not vote
Nokhoudian, Taylor	AFFIRMATIVE	Layton, Rick	Did not vote
Osann, Edward	AFFIRMATIVE	Smith, Anton	Did not vote
Potts, Beverly	AFFIRMATIVE		

Ballot Name: Item # 088.01 Committee Comment
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	16	66.67%
NEGATIVE W/COMMENT	8	33.33%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Osann, Edward	AFFIRMATIVE	Kendzel, Jim	Did not vote
Potts, Beverly	AFFIRMATIVE	Koeller, John	Did not vote
Premier, Damon	AFFIRMATIVE	Layton, Rick	Did not vote
Sovocool, Kent	AFFIRMATIVE	Smith, Anton	Did not vote
Tabakh, Amir	AFFIRMATIVE		

2026 WEStand ROC Final Ballot Results

Ballot Name: Item # 104 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	11	45.83%
NEGATIVE W/COMMENT	13	54.17%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Cudahy, Michael	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Sovocool, Kent	AFFIRMATIVE	Braband, Steven	Did not vote
Tabakh, Amir	AFFIRMATIVE	Kendzel, Jim	Did not vote
Crawford, Shawn	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Majerowicz, James	NEGATIVE W/COMMENT		



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<http://www.iapmo.org>

July 22, 2026

VIA EMAIL ONLY: kent.sovocool@snwa.com

Kent Sovocool
Southern Nevada Water Authority
P.O. Box 99956
Las Vegas, NV 89193

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Mr. Sovocool:

I am writing to inform you that we have received your negative ballot for Item #006 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

As indicated by the letter ballot, Item #006 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative vote on Item #006 PC 01 is considered resolved. The Technical Committee action on this item will be reported in the ROC as rejected.

Item #006 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 8 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to be "Hugo Aguilar", with a stylized flourish at the end.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WESand ROC Comments

Ballot Name:	Item # 006 Comment 01	
Voter Name	Vote	Comments
Sovocool, Kent	NEGATIVE W/COMMENT	After reviewing the comments and the change, I am changing my vote to negative as I think the changes suggested by the comment and reiterated by the commenters here are needed.

2026 WEStand ROC Final Ballot Results

Ballot Name: Item # 006 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	8	33.33%
NEGATIVE W/COMMENT	16	66.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Cudahy, Michael	AFFIRMATIVE	Lenger, Markus	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Smith, Billy	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Tabakh, Amir	AFFIRMATIVE	Sovocool, Kent	NEGATIVE W/COMMENT
White, Charles	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Allen, Laura	NEGATIVE W/COMMENT	Tseng, Aster	NEGATIVE W/COMMENT
Crawford, Shawn	NEGATIVE W/COMMENT	Braband, Steven	Did not vote
Granger, Brian	NEGATIVE W/COMMENT	Kendzel, Jim	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Lando, Pat	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Lansing, John	NEGATIVE W/COMMENT		



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<http://www.iapmo.org>

July 22, 2026

VIA EMAIL ONLY: ktompson@safeplumbing.org

Kyle Thompson
Plumbing Manufacturers International (PMI)
1750 Tysons Blvd, Suite 1500
McLean, VA 22102

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Mr. Thompson:

I am writing to inform you that we have received your negative ballots for Items #006 PC 01, #008 PC 01, and #104 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(1), your negative vote on Item #008 PC 01 is a previously considered negative vote and, therefore, is considered resolved. I have attached the ROC final letter ballot for your review.

As indicated by the letter ballot, Item #008 PC 01 achieved the necessary 67% affirmative of returned ballots. In addition, the negative vote and comment was re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #008 PC 01 achieved the necessary 67% affirmative vote of returned ballots (received 17 affirmative).
29 Members eligible to vote – 4 not returned – 1 abstention = $24 \times 2/3 = 16$ affirmatives required.

As indicated by the letter ballot, Items #006 PC 01 and #104 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative votes on Items #006 PC 01 and #104 PC 01 are considered resolved. The Technical Committee action on these items will be reported in the ROC as rejected.

Item #006 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 8 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Item #104 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 11 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to read "Hugo Aguilar", is written over a light blue horizontal line.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WESand ROC Comments

Ballot Name:	Item # 006 Comment 01	
Voter Name	Vote	Comments
Thompson, Kyle	NEGATIVE W/COMMENT	This revised definition more accurately reflects the way the term is used in the WESand, compared to the original proposal.

Ballot Name:	Item # 008 Comment 01	
Voter Name	Vote	Comments
Thompson, Kyle	NEGATIVE W/COMMENT	PMI is opposed to this change because the proposed reduction from 1.28 to 1.1 gpf lacks sufficient field-based evidence demonstrating net benefits across the entire water cycle, including potable water quality, wastewater collection and treatment, infrastructure performance, and recycled water production. While the proponents correctly note that 1.1 gpf products are available in the marketplace and that manufacturers can and do achieve satisfactory fixture-level performance under laboratory test conditions, the question before the committee is not only whether such products can be manufactured and sold. The committee must also consider the broader impacts that a reduction in flush volume has on plumbing systems, wastewater collection infrastructure, water quality, public health, and overall system sustainability. The existing 1.28 gpf requirement already represents a significant advancement in water efficiency, (Federal mandates require 1.6 gpf) and 1.28 gpf water closets have been widely adopted throughout the U.S. and North America. Before reducing the flush volume further, the committee should require compelling evidence that the proposed change will not create unintended consequences elsewhere in the water cycle. The proposal also fails to adequately address the growing body of research documenting the effects of declining water use on drinking water quality and premise plumbing systems. Reduced fixture flows increase water age within both municipal distribution systems and building plumbing systems, leading to disinfectant decay, stagnation, biofilm formation, and increased risk of opportunistic waterborne pathogens. Researchers, water utilities, public health agencies, and building water quality experts have repeatedly identified reduced water turnover as a contributing factor to the growth of organisms such as <i>Legionella pneumophila</i> and <i>Pseudomonas aeruginosa</i>. Water conservation remains an important objective, but conservation measures should not be evaluated solely on fixture-level savings. The committee must also consider the impacts on maintaining safe, high-quality potable water throughout the distribution and premise plumbing systems that serve building occupants. Furthermore, reducing flush volumes contributes to increasingly concentrated wastewater streams, creating challenges for wastewater collection systems, treatment facilities, and water

2026 WEstand ROC Comments

		reuse programs. Lower flows result in higher concentrations of solids, nutrients, and contaminants in wastewater, increasing the potential for odor generation, hydrogen sulfide formation, corrosion of sewer infrastructure, solids deposition, and additional maintenance requirements. Numerous wastewater utilities throughout North America have reported the need for supplemental flushing and, in some cases, the addition of potable water to maintain adequate sewer velocities and system performance as flows decline. More concentrated wastewater also requires additional treatment effort, energy, and chemical inputs to achieve the high-quality effluent standards required for expanding recycled water and potable reuse programs. Any evaluation of additional water efficiency measures should therefore consider not only the reduction in potable water demand, but also the increased operational burdens imposed on downstream wastewater and water reuse infrastructure. Finally, WEstand provisions frequently serve as the technical foundation for future state and local regulatory actions. California's Green Building Standards Code (CALGreen) and Title 24 have historically relied upon IAPMO codes and standards as sources of technical precedent and justification for enhanced water-efficiency requirements. The California Energy Commission is currently evaluating a proposal under Docket 22-AAER-05 to reduce the maximum flush volume of water closets sold in California from 1.28 gpf to 1.1 gpf. Adoption of this proposal within WEstand is likely to be cited as evidence that a consensus body has thoroughly evaluated the subject and determined the requirement to be technically appropriate and environmentally beneficial. The committee's decision on this and other items extends beyond just a voluntary stretch code provision. Approval of this requirement will establish a precedent that influences future mandatory state regulations affecting millions of consumers, building owners, water utilities, wastewater agencies, and manufacturers. Such a change should not be adopted absent comprehensive field-based evidence demonstrating that the benefits outweigh the potential impacts on plumbing performance, public health, water quality, wastewater infrastructure, and recycled water production.
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Ballot Name:	Item # 104 Comment 01	
Voter Name	Vote	Comments
Thompson, Kyle	NEGATIVE W/COMMENT	Full removal of the figures would be preferential to the inclusion of figures that promote the use of a product that conflicts with the UPC.

2026 WEStand ROC Final Ballot Results

Ballot Name: Item # 006 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	8	33.33%
NEGATIVE W/COMMENT	16	66.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Cudahy, Michael	AFFIRMATIVE	Lenger, Markus	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Smith, Billy	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Tabakh, Amir	AFFIRMATIVE	Sovocool, Kent	NEGATIVE W/COMMENT
White, Charles	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Allen, Laura	NEGATIVE W/COMMENT	Tseng, Aster	NEGATIVE W/COMMENT
Crawford, Shawn	NEGATIVE W/COMMENT	Braband, Steven	Did not vote
Granger, Brian	NEGATIVE W/COMMENT	Kendzel, Jim	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Lando, Pat	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Lansing, John	NEGATIVE W/COMMENT		

Ballot Name: Item # 008 Comment 01
Total Votes: 25

Vote Summary

Option	Count	Percent
AFFIRMATIVE	17	70.83%
NEGATIVE W/COMMENT	7	29.17%
ABSTAIN W/COMMENT	1	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Harlan, Richard	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kehoe, Paula	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Koeller, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Cudahy, Michael	ABSTAIN W/COMMENT
Lenger, Markus	AFFIRMATIVE	Braband, Steven	Did not vote
Majerowicz, James	AFFIRMATIVE	Kendzel, Jim	Did not vote
Nokhoudian, Taylor	AFFIRMATIVE	Layton, Rick	Did not vote
Osann, Edward	AFFIRMATIVE	Smith, Anton	Did not vote
Potts, Beverly	AFFIRMATIVE		

2026 WEStand ROC Final Ballot Results

Ballot Name: Item # 104 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	11	45.83%
NEGATIVE W/COMMENT	13	54.17%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Cudahy, Michael	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Sovocool, Kent	AFFIRMATIVE	Braband, Steven	Did not vote
Tabakh, Amir	AFFIRMATIVE	Kendzel, Jim	Did not vote
Crawford, Shawn	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Majerowicz, James	NEGATIVE W/COMMENT		



July 22, 2026

VIA EMAIL ONLY: astert@gmail.com

Aster Tseng
Self
46030 Sentinel Dr.
Fremont, CA 94539

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Ms. Tseng:

I am writing to inform you that we have received your negative ballots for Items #006 PC 01, #008 PC 01, #032 PC 01, #032 PC 02, #088.01, and #104 PC 01 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(3), your negative votes on Items #032 PC 01 and #032 PC 02 are considered not persuasive and, therefore, are considered resolved. Not persuasive negative votes must be affirmed by at least 75% of the voting members returning ballots (excluding abstentions) if the recommendation is considered by letter ballot. I have attached the final letter ballot for your review. As indicated by the letter ballot, more than 75% affirmed the negative votes as not persuasive. In addition, all negative votes and comments were re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #032 PC 01 achieved the necessary 75% affirmative vote of returned ballots (received 21 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

Item #032 PC 02 achieved the necessary 75% affirmative vote of returned ballots (received 21 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(1), your negative votes on Items #008 PC 01 and #088.01 are previously considered negative votes and, therefore, are considered resolved. I have attached the ROC final letter ballot for your review.

As indicated by the letter ballot, Items #008 PC 01 and #088.01 achieved the necessary 67% affirmative of returned ballots. In addition, the negative votes and comments were re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #008 PC 01 achieved the necessary 67% affirmative vote of returned ballots (received 17 affirmative).

29 Members eligible to vote – 4 not returned – 1 abstention = $24 \times 2/3 = 16$ affirmatives required.

Item #088.01 achieved the necessary 67% affirmative vote of returned ballots (received 16 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

As indicated by the letter ballot, Items #006 PC 01 and #104 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative votes on Items #006 PC 01 and #104 PC 01 are considered resolved. The Technical Committee action on these items will be reported in the ROC as rejected.

Item #006 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 8 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Item #104 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 11 affirmative).

29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.



**International Association of
Plumbing and Mechanical Officials**

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<http://www.iapmo.org>

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.

Sincerely,

A handwritten signature in black ink, appearing to be "H. Aguilar", with a stylized flourish at the end.

Hugo Aguilar, P.E.
Secretary, Executive Committee

CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WESand ROC Comments

Ballot Name:	Item # 006 Comment 01	
Voter Name	Vote	Comments
Tseng, Aster	NEGATIVE W/COMMENT	I agree with Pat Lando's rationale.

Ballot Name:	Item # 008 Comment 01	
Voter Name	Vote	Comments
Tseng, Aster	NEGATIVE W/COMMENT	I agree with Kyle Thompson's comment.

Ballot Name:	Item # 032 Comment 01	
Voter Name	Vote	Comments
Tseng, Aster	NEGATIVE W/COMMENT	I agree with Phil Ribbs' comment.

Ballot Name:	Item # 032 Comment 02	
Voter Name	Vote	Comments
Tseng, Aster	NEGATIVE W/COMMENT	I agree with Phil Ribbs' comment.

Ballot Name:	Item # 088.01 Committee Comment	
Voter Name	Vote	Comments
Tseng, Aster	NEGATIVE W/COMMENT	I agree with Taylor Nokhoudian's comments.

Ballot Name:	Item # 104 Comment 01	
Voter Name	Vote	Comments
Tseng, Aster	NEGATIVE W/COMMENT	I agree with Phil Ribbs' comments.

2026 WEStand ROC Final Ballot Results

Ballot Name: Item # 006 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	8	33.33%
NEGATIVE W/COMMENT	16	66.67%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Cudahy, Michael	AFFIRMATIVE	Lenger, Markus	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Smith, Billy	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Tabakh, Amir	AFFIRMATIVE	Sovocool, Kent	NEGATIVE W/COMMENT
White, Charles	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Allen, Laura	NEGATIVE W/COMMENT	Tseng, Aster	NEGATIVE W/COMMENT
Crawford, Shawn	NEGATIVE W/COMMENT	Braband, Steven	Did not vote
Granger, Brian	NEGATIVE W/COMMENT	Kendzel, Jim	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Lando, Pat	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Lansing, John	NEGATIVE W/COMMENT		

Ballot Name: Item # 008 Comment 01
Total Votes: 25

Vote Summary

Option	Count	Percent
AFFIRMATIVE	17	70.83%
NEGATIVE W/COMMENT	7	29.17%
ABSTAIN W/COMMENT	1	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Harlan, Richard	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kehoe, Paula	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Koeller, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Cudahy, Michael	ABSTAIN W/COMMENT
Lenger, Markus	AFFIRMATIVE	Braband, Steven	Did not vote
Majerowicz, James	AFFIRMATIVE	Kendzel, Jim	Did not vote
Nokhoudian, Taylor	AFFIRMATIVE	Layton, Rick	Did not vote
Osann, Edward	AFFIRMATIVE	Smith, Anton	Did not vote
Potts, Beverly	AFFIRMATIVE		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 032 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	21	87.50%
NEGATIVE W/COMMENT	3	12.50%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Premier, Damon	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Smith, Billy	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Kehoe, Paula	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Braband, Steven	Did not vote
Majerowicz, James	AFFIRMATIVE	Kendzel, Jim	Did not vote
Nickelson, David	AFFIRMATIVE	Koeller, John	Did not vote
Nokhoudian, Taylor	AFFIRMATIVE	Layton, Rick	Did not vote
Osann, Edward	AFFIRMATIVE	Smith, Anton	Did not vote
Potts, Beverly	AFFIRMATIVE		

Ballot Name: Item # 032 Comment 02
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	21	87.50%
NEGATIVE W/COMMENT	3	12.50%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Premier, Damon	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Smith, Billy	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Kehoe, Paula	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	White, Charles	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Braband, Steven	Did not vote
Majerowicz, James	AFFIRMATIVE	Kendzel, Jim	Did not vote
Nickelson, David	AFFIRMATIVE	Koeller, John	Did not vote
Nokhoudian, Taylor	AFFIRMATIVE	Layton, Rick	Did not vote
Osann, Edward	AFFIRMATIVE	Smith, Anton	Did not vote
Potts, Beverly	AFFIRMATIVE		

2026 WEstand ROC Final Ballot Results

Ballot Name:		Item # 088.01 Committee Comment	
Total Votes:		24	
Vote Summary			
Option	Count	Percent	
AFFIRMATIVE	16	66.67%	
NEGATIVE W/COMMENT	8	33.33%	
ABSTAIN W/COMMENT	0		
Voter Name			
Allen, Laura	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Osann, Edward	AFFIRMATIVE	Kendzel, Jim	Did not vote
Potts, Beverly	AFFIRMATIVE	Koeller, John	Did not vote
Premier, Damon	AFFIRMATIVE	Layton, Rick	Did not vote
Sovocool, Kent	AFFIRMATIVE	Smith, Anton	Did not vote
Tabakh, Amir	AFFIRMATIVE		

Ballot Name:	Item # 104 Comment 01		
Total Votes:	24		
Vote Summary			
Option	Count	Percent	
AFFIRMATIVE	11	45.83%	
NEGATIVE W/COMMENT	13	54.17%	
ABSTAIN W/COMMENT	0		
Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Cudahy, Michael	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Sovocool, Kent	AFFIRMATIVE	Braband, Steven	Did not vote
Tabakh, Amir	AFFIRMATIVE	Kendzel, Jim	Did not vote
Crawford, Shawn	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Majerowicz, James	NEGATIVE W/COMMENT		



July 22, 2026

VIA EMAIL ONLY: white@naphcc.org

Charles White
PHCC-National Association
2425 S. Twyckenham Dr
South Bend, IN 46614

Re: IAPMO - WATER EFFICIENCY & SANITATION STANDARD

Dear Mr. White:

I am writing to inform you that we have received your negative ballots for Items #008 PC 01, #088.01, #104 PC 01, and #104 PC 02 based on the 2027 Water Efficiency and Sanitation Standard Public Comments.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(3), your negative vote on Item #104 PC 02 is considered not persuasive and, therefore, is considered resolved. Not persuasive negative votes must be affirmed by at least 75% of the voting members returning ballots (excluding abstentions) if the recommendation is considered by letter ballot. I have attached the final letter ballot for your review. As indicated by the letter ballot, more than 75% affirmed the negative votes as not persuasive. In addition, all negative votes and comments were re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #104 PC 02 achieved the necessary 75% affirmative vote of returned ballots (received 23 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 0.75 = 18$ affirmatives required.

In accordance with the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*, Section 5.6(c)(1), your negative votes on Items #008 PC 01 and #088.01 are previously considered negative votes and, therefore, are considered resolved. I have attached the ROC final letter ballot for your review.

As indicated by the letter ballot, Items #008 PC 01 and #088.01 achieved the necessary 67% affirmative of returned ballots. In addition, the negative votes and comments were re-circulated to the TC in order to provide an opportunity to reaffirm, respond or change their vote before the closing date of the ballot.

Item #008 PC 01 achieved the necessary 67% affirmative vote of returned ballots (received 17 affirmative).
29 Members eligible to vote – 4 not returned – 1 abstention = $24 \times 2/3 = 16$ affirmatives required.

Item #088.01 achieved the necessary 67% affirmative vote of returned ballots (received 16 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

As indicated by the letter ballot, Item #104 PC 01 failed to achieve the necessary two-thirds affirmative of returned ballots, and therefore, your negative vote on Item #104 PC 01 is considered resolved. The Technical Committee action on this item will be reported in the ROC as rejected.

Item #104 PC 01 did not achieve the necessary 67% affirmative vote of returned ballots (received 11 affirmative).
29 Members eligible to vote – 5 not returned – 0 abstention = $24 \times 2/3 = 16$ affirmatives required.

Please note you have the right to appeal such action or inaction in accordance with Section 9.1 of the *IAPMO Regulations Governing Consensus Development of the Water Efficiency and Sanitation Standard*. If you have any questions, please do not hesitate to contact me at your earliest convenience.

Thank you for your continued support of the development of the 2027 Water Efficiency and Sanitation Standard.



**International Association of
Plumbing and Mechanical Officials**

4755 East Philadelphia Street
Ontario, California – USA 91761-2816

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<http://www.iapmo.org>

Sincerely,

A handwritten signature in black ink, appearing to be "H. Aguilar", written over a light gray rectangular background.

Hugo Aguilar, P.E.
Secretary, Executive Committee
CC: Taylor Duran, WE♦Stand Staff Liaison

2026 WEstand ROC Comments

Ballot Name:	Item # 008 Comment 01	
Voter Name	Vote	Comments
White, Charles	NEGATIVE W/COMMENT	I agree with Kyle Thompson's eloquent rationale.

Ballot Name:	Item # 088.01 Committee Comment	
Voter Name	Vote	Comments
White, Charles	NEGATIVE W/COMMENT	I agree with the comments by Taylor Nokhoudian.

Ballot Name:	Item # 104 Comment 01	
Voter Name	Vote	Comments
White, Charles	NEGATIVE W/COMMENT	Phil Ribbs makes excellent points regarding the plumbing situation. Discussion of what is plumbing or what other jurisdictions allow is nonsense. The drawings are incomplete as they show an exterior cap, not glued on, and no direction of what happens after the cap blows off. I have concern for what the proper disposal of the wash wastewater will be, and relying on homeowners to make decisions as to contaminants contained on clothing is irresponsible. Saying no one got hurt yet is of little value when this application will be a long term situation with possibly multiple owners.

Ballot Name:	Item # 104 Comment 02	
Voter Name	Vote	Comments
White, Charles	NEGATIVE W/COMMENT	Phil Ribbs makes excellent points regarding the plumbing situation in Public Comment #1. Discussion of what is plumbing or what other jurisdictions allow is nonsense. The drawings are incomplete as they show an exterior cap, not glued on, and no direction of what happens after the cap blows off. I have concern for what the proper disposal of the wash wastewater will be, and relying on homeowners to make decisions as to contaminants contained on clothing is irresponsible. Saying no one got hurt yet is of little value when this application will be a long term situation with possibly multiple owners.

2026 WEStand ROC Final Ballot Results

Ballot Name: Item # 008 Comment 01
Total Votes: 25

Vote Summary

Option	Count	Percent
AFFIRMATIVE	17	70.83%
NEGATIVE W/COMMENT	7	29.17%
ABSTAIN W/COMMENT	1	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Harlan, Richard	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kehoe, Paula	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Koeller, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Cudahy, Michael	ABSTAIN W/COMMENT
Lenger, Markus	AFFIRMATIVE	Braband, Steven	Did not vote
Majerowicz, James	AFFIRMATIVE	Kendzel, Jim	Did not vote
Nokhoudian, Taylor	AFFIRMATIVE	Layton, Rick	Did not vote
Osann, Edward	AFFIRMATIVE	Smith, Anton	Did not vote
Potts, Beverly	AFFIRMATIVE		

Ballot Name: Item # 088.01 Committee Comment
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	16	66.67%
NEGATIVE W/COMMENT	8	33.33%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Crawford, Shawn	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Harlan, Richard	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Kehoe, Paula	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Majerowicz, James	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Nickelson, David	AFFIRMATIVE	Braband, Steven	Did not vote
Osann, Edward	AFFIRMATIVE	Kendzel, Jim	Did not vote
Potts, Beverly	AFFIRMATIVE	Koeller, John	Did not vote
Premier, Damon	AFFIRMATIVE	Layton, Rick	Did not vote
Sovocool, Kent	AFFIRMATIVE	Smith, Anton	Did not vote
Tabakh, Amir	AFFIRMATIVE		

2026 WEstand ROC Final Ballot Results

Ballot Name: Item # 104 Comment 01
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	11	45.83%
NEGATIVE W/COMMENT	13	54.17%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Nickelson, David	NEGATIVE W/COMMENT
Cudahy, Michael	AFFIRMATIVE	Nokhoudian, Taylor	NEGATIVE W/COMMENT
Granger, Brian	AFFIRMATIVE	Osann, Edward	NEGATIVE W/COMMENT
Klein, Gary	AFFIRMATIVE	Premier, Damon	NEGATIVE W/COMMENT
Kuchta, Todd	AFFIRMATIVE	Ribbs, Phil	NEGATIVE W/COMMENT
Lando, Pat	AFFIRMATIVE	Smith, Billy	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Thompson, Kyle	NEGATIVE W/COMMENT
Lenger, Markus	AFFIRMATIVE	Tseng, Aster	NEGATIVE W/COMMENT
Potts, Beverly	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Sovocool, Kent	AFFIRMATIVE	Braband, Steven	Did not vote
Tabakh, Amir	AFFIRMATIVE	Kendzel, Jim	Did not vote
Crawford, Shawn	NEGATIVE W/COMMENT	Koeller, John	Did not vote
Harlan, Richard	NEGATIVE W/COMMENT	Layton, Rick	Did not vote
Kehoe, Paula	NEGATIVE W/COMMENT	Smith, Anton	Did not vote
Majerowicz, James	NEGATIVE W/COMMENT		

Ballot Name: Item # 104 Comment 02
Total Votes: 24

Vote Summary

Option	Count	Percent
AFFIRMATIVE	23	95.83%
NEGATIVE W/COMMENT	1	4.17%
ABSTAIN W/COMMENT	0	

Voter Name	Vote	Voter Name	Vote
Allen, Laura	AFFIRMATIVE	Potts, Beverly	AFFIRMATIVE
Crawford, Shawn	AFFIRMATIVE	Premier, Damon	AFFIRMATIVE
Cudahy, Michael	AFFIRMATIVE	Ribbs, Phil	AFFIRMATIVE
Granger, Brian	AFFIRMATIVE	Smith, Billy	AFFIRMATIVE
Harlan, Richard	AFFIRMATIVE	Sovocool, Kent	AFFIRMATIVE
Kehoe, Paula	AFFIRMATIVE	Tabakh, Amir	AFFIRMATIVE
Klein, Gary	AFFIRMATIVE	Thompson, Kyle	AFFIRMATIVE
Kuchta, Todd	AFFIRMATIVE	Tseng, Aster	AFFIRMATIVE
Lando, Pat	AFFIRMATIVE	White, Charles	NEGATIVE W/COMMENT
Lansing, John	AFFIRMATIVE	Braband, Steven	Did not vote
Lenger, Markus	AFFIRMATIVE	Kendzel, Jim	Did not vote
Majerowicz, James	AFFIRMATIVE	Koeller, John	Did not vote
Nickelson, David	AFFIRMATIVE	Layton, Rick	Did not vote
Nokhoudian, Taylor	AFFIRMATIVE	Smith, Anton	Did not vote
Osann, Edward	AFFIRMATIVE		