



**Certification Trends and Stakeholder Input on  
Potential WaterSense® Specification Revisions**

**April 10, 2020**

## Certification Trends and Stakeholder Input on Potential WaterSense® Specification Revisions

### I. Introduction

On October 24, 2018, the *America’s Water Infrastructure Act of 2018*<sup>1</sup> formally authorized the U.S. Environmental Protection Agency’s (EPA’s) WaterSense program. The law required that, not later than December 31, 2019, the EPA “consider for review and revise, if necessary, any WaterSense performance criteria adopted before January 1, 2012,” necessitating the review of several specifications, including WaterSense’s specifications for tank-type toilets, lavatory faucets and faucet accessories, showerheads, flushing urinals, and weather-based irrigation controllers.

Throughout 2019, the EPA conducted its [review](#).<sup>2</sup> As part of its review, the EPA considered product certification trends (summarized in Section II below). The EPA also hosted a series of public webinars to solicit stakeholder feedback on potential revisions to each of the WaterSense specifications under review. As part each webinar, the EPA conducted polls for different stakeholder groups in attendance to determine support for revising certain criteria for each specification. The poll results are summarized in Section III for each product category.

### II. Product Certification Trends

The EPA considered product certification trends as part of its specification review. The tables below summarize the number of models certified for each product category, as well as the categorization of certified models based on flush volume or flow rate.

#### *Tank-Type Toilets*

**Table 1. Number and percentage of WaterSense labeled tank-type toilets by flush volume**

Effective Flush Volume	≤ 1.28 gallons per flush (gpf) and > 1.1 gpf	≤ 1.1 gpf and > 1.0 gpf	≤ 1.0 gpf and > 0.8 gpf	≤ 0.8 gpf	Total
Single-flush models	1,887	36	166	58	2,147
Percentage of single-flush models	87.9%	1.7%	7.7%	2.7%	-
Dual-flush models	703	391	107	11	1,212
Percentage of dual-flush models	58.0%	32.3%	8.8%	0.9%	-
Total models	2,590	427	273	69	3,359
Percentage of total	77.1%	12.7%	8.1%	2.1%	-

\*As of May 2019

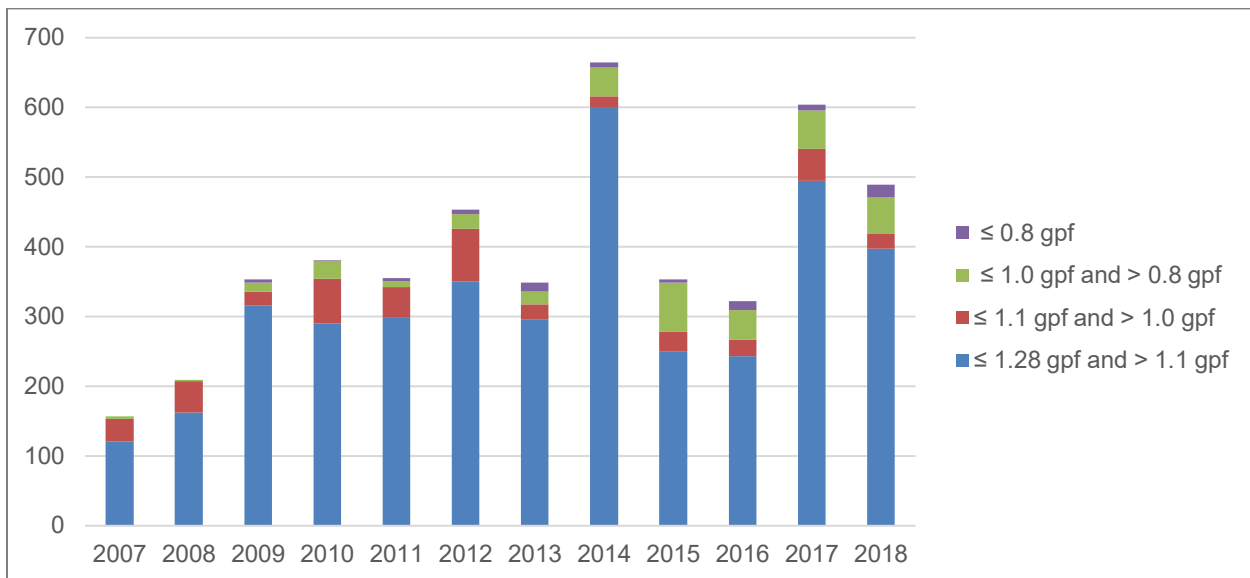
<sup>1</sup> *America’s Water Infrastructure Act of 2018*. [www.congress.gov/bill/115th-congress/senate-bill/3021/text](http://www.congress.gov/bill/115th-congress/senate-bill/3021/text)

<sup>2</sup> The *WaterSense Notice of Specification Review*, along with associated presentation materials, meeting summaries, and recordings, can be accessed at [www.epa.gov/watersense/product-specification-review](http://www.epa.gov/watersense/product-specification-review).

**Table 2. Number and percentage of WaterSense labeled dual-flush tank-type toilets by full-flush volume**

Full-Flush Volume	≤ 1.6 gpf and > 1.28 gpf	≤ 1.28 gpf	Total
Dual-flush models	1,001	211	1,212
Percentage of total	82.6%	17.4%	-

\*As of May 2019



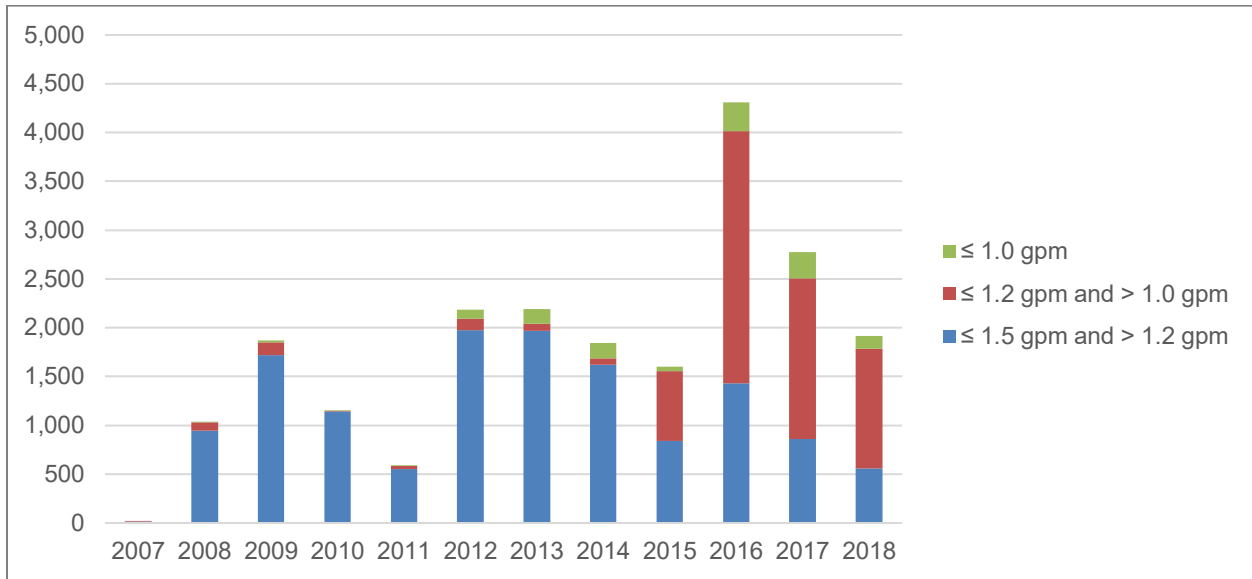
**Figure 1. Number of WaterSense labeled tank-type toilets by flush volume based on year certified**

**Lavatory Faucets and Faucet Accessories**

**Table 3. Number and percentage of WaterSense labeled lavatory faucets and faucet accessories by flow rate**

Maximum Flow Rate	≤ 1.5 gallons per minute (gpm) and > 1.2 gpm	≤ 1.2 gpm and > 1.0 gpm	≤ 1.0 gpm	Total
Number of models	9,534	5,847	1,164	16,545
Percentage of total	57.6%	35.5%	7.0%	-

\*As of April 2019



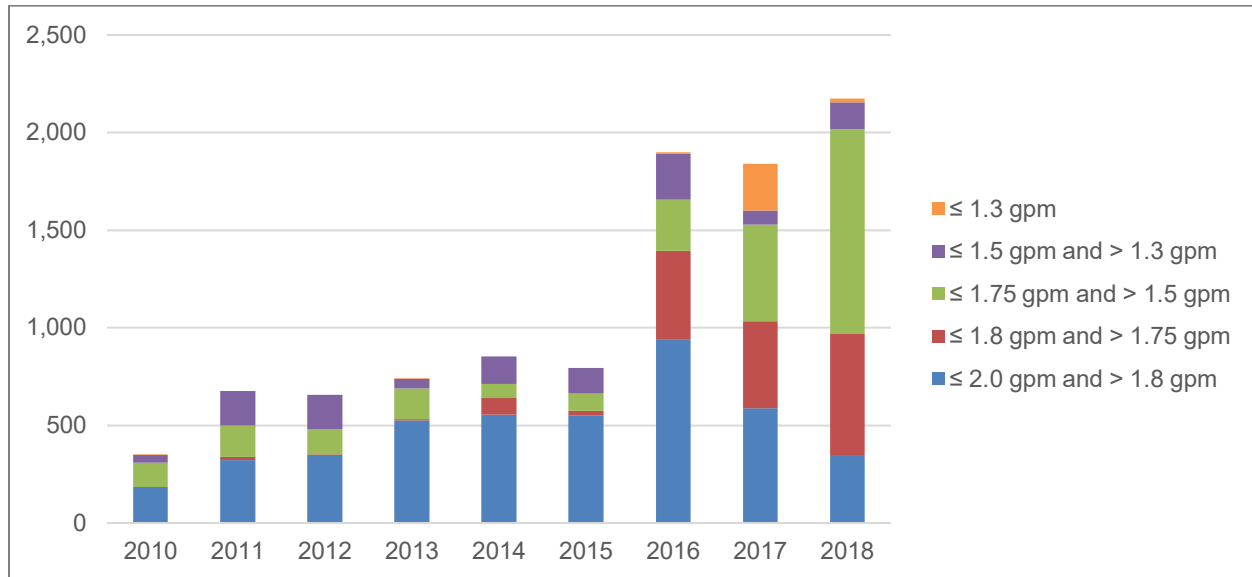
**Figure 2. Number of WaterSense labeled lavatory faucets and faucet accessories by flow rate based on year certified**

**Showerheads**

**Table 4. Number and percentage of WaterSense labeled showerheads by flow rate**

Maximum Flow Rate	≤ 2.0 gpm and > 1.8 gpm	≤ 1.8 gpm and > 1.75 gpm	≤ 1.75 gpm and > 1.5 gpm	≤ 1.5 gpm and > 1.3 gpm	≤ 1.3 gpm	Total
Number of models	3,471	1,383	2,216	977	269	8,316
Percentage of total	41.7%	16.6%	26.6%	11.8%	3.2%	-

\*As of April 2019



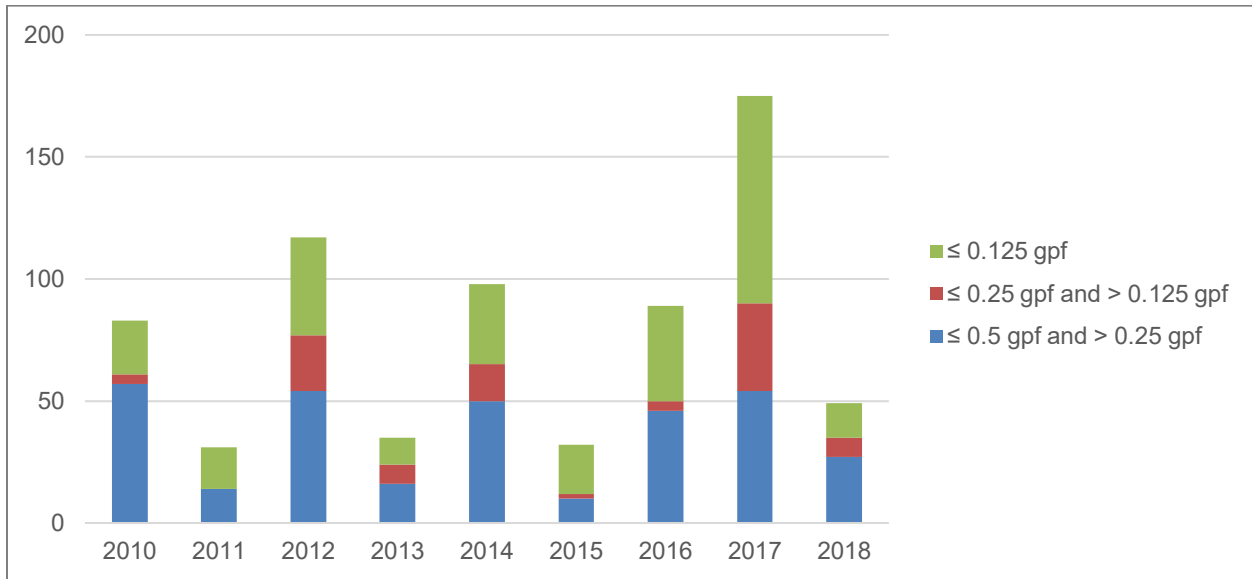
**Figure 3. Number of WaterSense labeled showerheads by flow rate based on year certified**

### Flushing Urinals

**Table 5. Number and percentage of WaterSense labeled flushing urinals by flush volume**

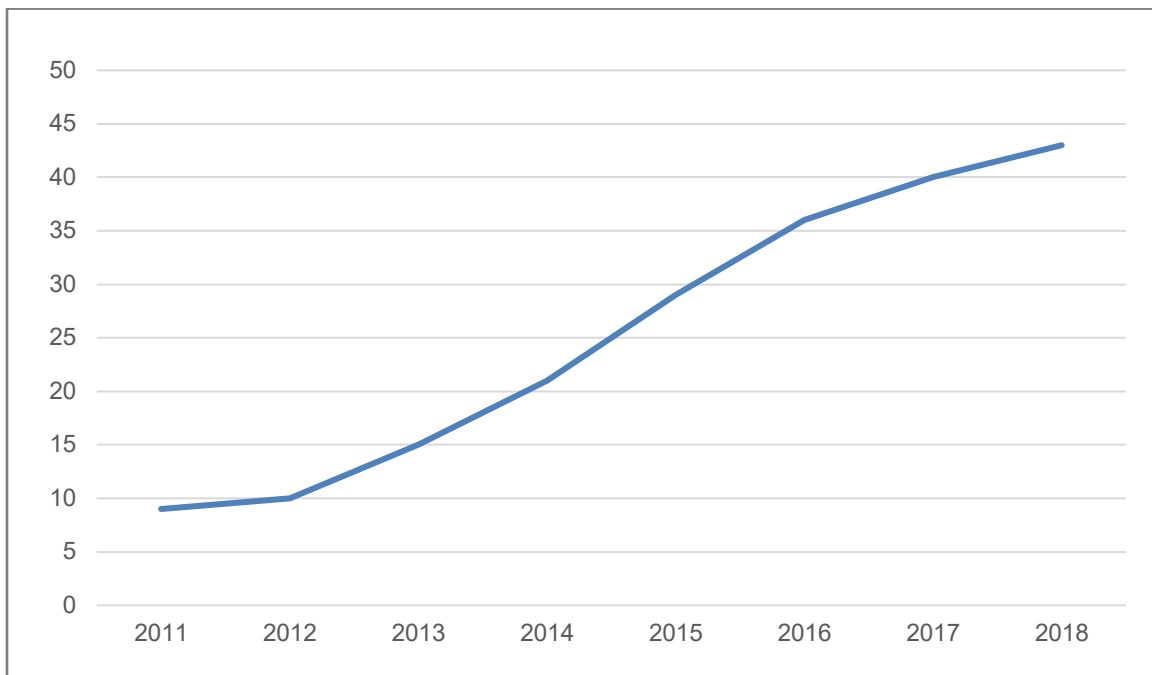
Flush Volume	≤ 0.5 gpf and > 0.25 gpf	≤ 0.25 gpf and > 0.125 gpf	≤ 0.125 gpf	Total
Number of fixture models	81	13	55	149
Percentage	54.3%	8.7%	36.9%	-
Number of flush valve models	177	35	128	340
Percentage	52.1%	10.3%	37.6%	-
Number of systems	54	46	102	202
Percentage	26.7%	22.8%	50.5%	-

\*As of May 2019

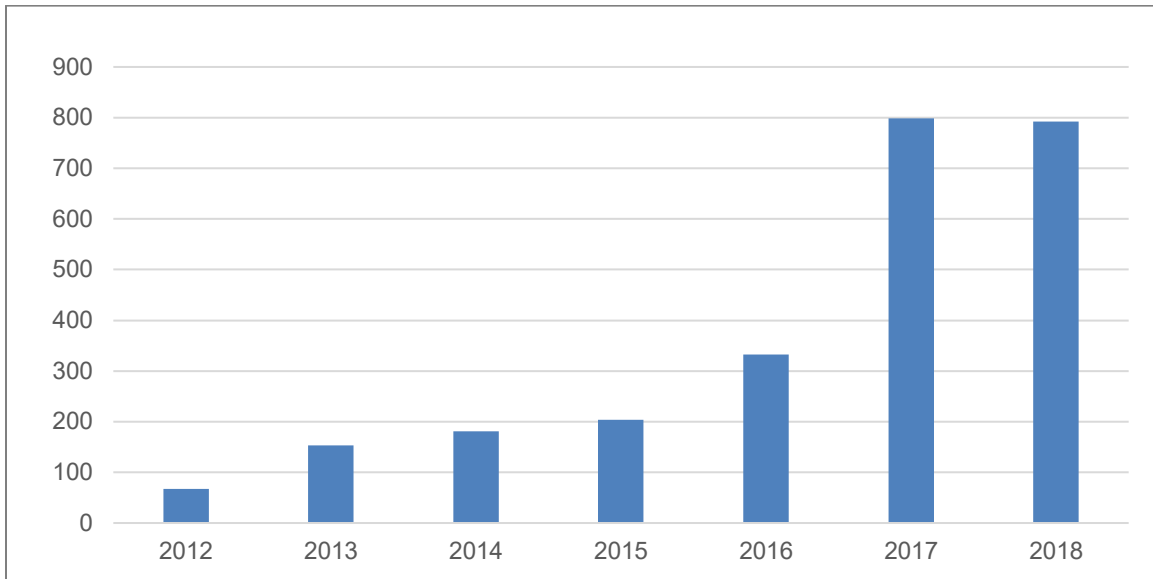


**Figure 4. Number of WaterSense labeled flushing urinals by flush volume based on year certified**

***Weather-Based Irrigation Controllers***



**Figure 5. Number of weather-based irrigation controller manufacturer partners**

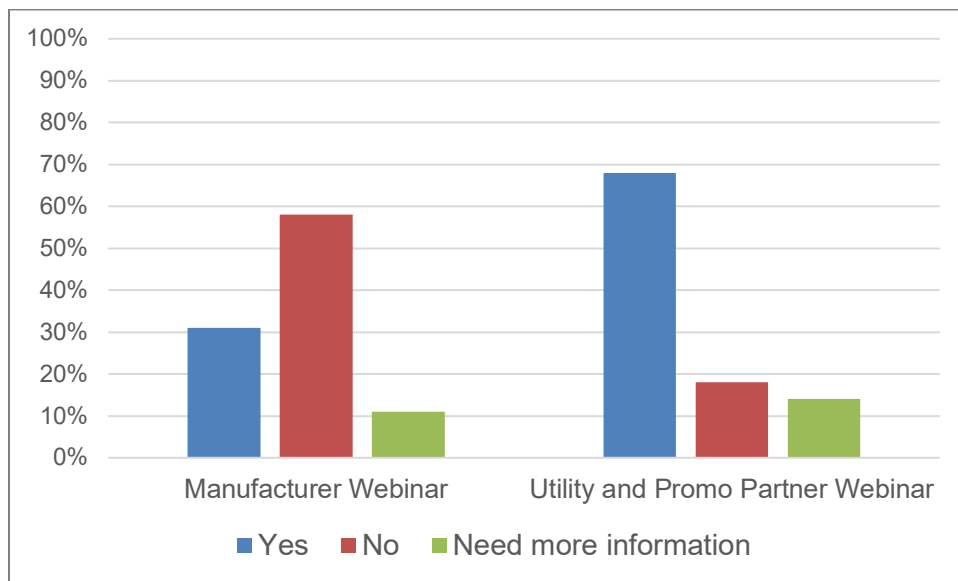


**Figure 6. Total number of WaterSense labeled weather-based irrigation controller models**

### III. Stakeholder Input

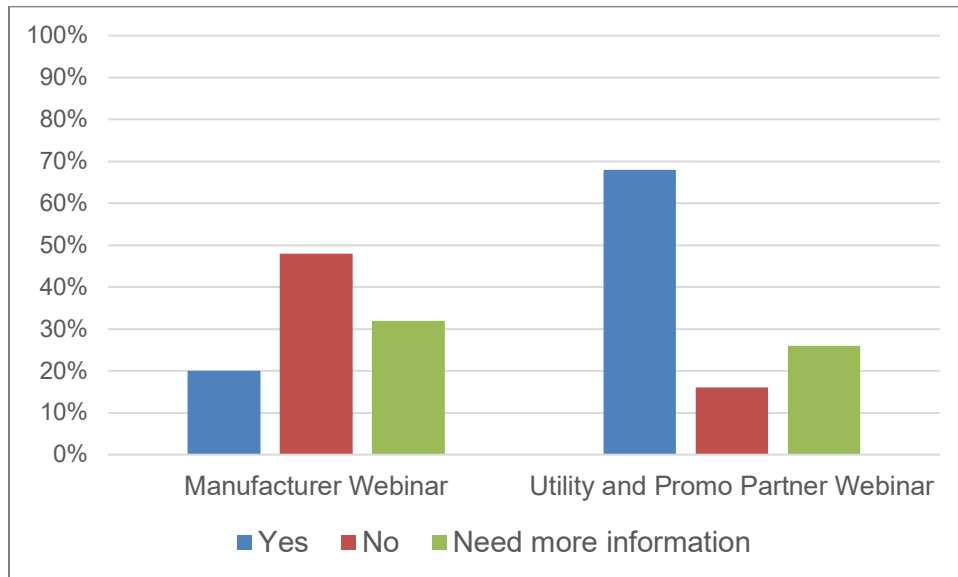
As part of a series of public webinars held to solicit stakeholder feedback on each product category, the EPA conducted polls for different stakeholder groups to determine support for revising certain criteria for each specification. The poll results are summarized below for each product category.

#### *Tank-Type Toilets*



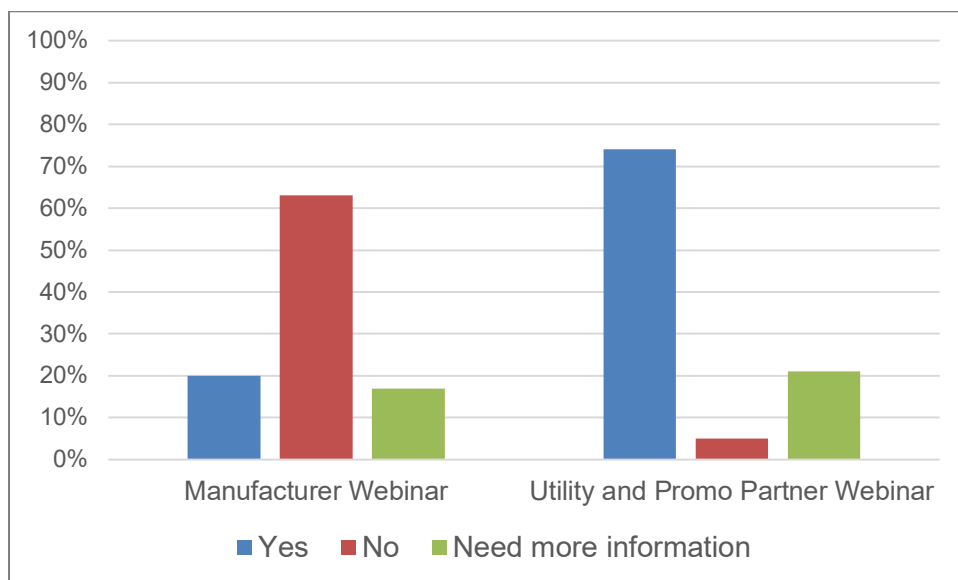
**Figure 7. Stakeholder feedback on whether WaterSense should revise the flush volume criteria for tank-type toilets**

**Lavatory Faucets and Faucet Accessories**



**Figure 8. Stakeholder feedback on whether WaterSense should revise the flow rate criteria for lavatory faucets and faucet accessories**

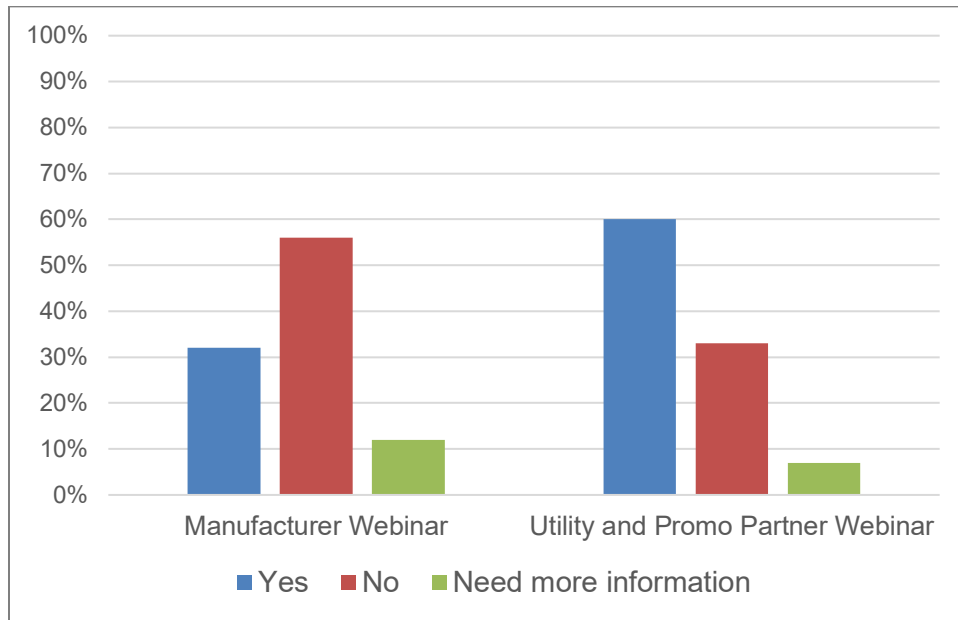
**Showerheads**



**Figure 9. Stakeholder feedback on whether WaterSense should revise the flow rate criteria for showerheads**

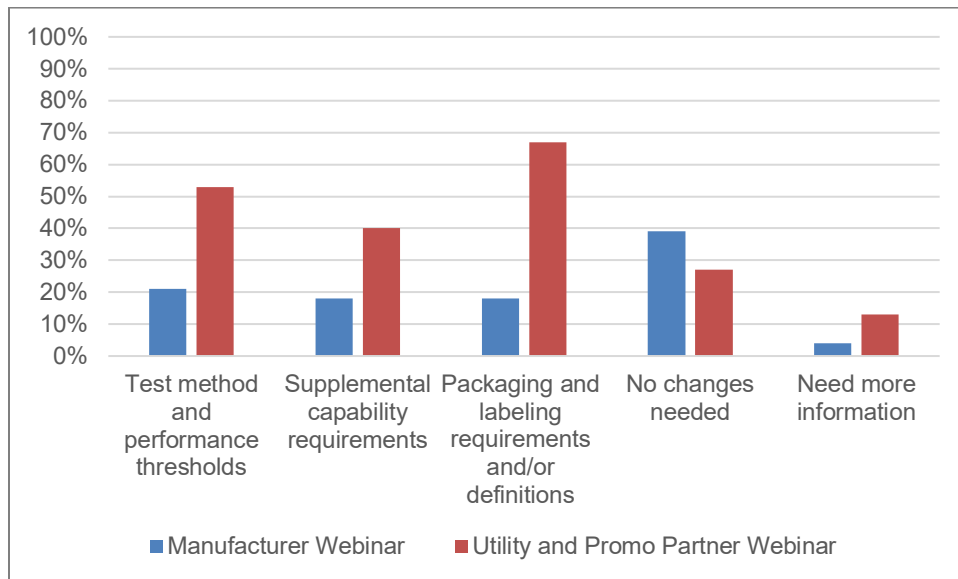


**Flushing Urinals**



**Figure 10. Stakeholder feedback on whether WaterSense should revise the flush volume criteria for flushing urinals**

**Weather-Based Irrigation Controllers**



**Figure 11. Stakeholder feedback on whether WaterSense should revise certain requirements of the *WaterSense Specification for Weather-Based Irrigation Controllers***