Response Rate

832 surveys were delivered. I mailed a total of 924 surveys but 92 of those were undeliverable.

184 surveys were completed or partially completed.

This gives a 22% response rate.

Characteristics of Respondents

	PERCENT OF ACRES	NUMBER OF RESPONDENTS
WALLACE	23%	27
GREELEY	4%	8
WICHITA	36%	43
SCOTT	30%	34
LANE	8%	10

	AVERAGE
OWNER-OPERATOR	34%
TENANT	27%
LANDLORD	39%

	AVERAGE	MEDIAN
AGE	64	67
% INCOME FROM FARMING	70	82.5
IRRIGATED ACRES	816	400
NONIRRIGATED ACRES	2,947	1,500
PASTURE ACRES	1,220	278
LIVESTOCK HEAD	236	40

	PERCENT OF RESPONDENTS
MALE	88%
FEMALE	12%

Responses to some general opinion questions

There are some areas in GMD 1 that have a larger remaining saturated thickness of the aquifer. These areas of the aquifer are often declining at a faster rate but also have a longer estimated life of the aquifer due to a larger current supply. Which option do you think is best?

All respondents

Decrease water use **less** in these areas	9%
Decrease water use **the same** in these areas	77%
Decrease water use **more** in these areas	14%

Respondents in Scott Trough (Scott County with predevelopment saturated thickness >125ft)

N=17

Decrease water use **less** in these areas	12%
Decrease water use **the same** in these areas	59%
Decrease water use **more** in these areas	29%

Respondents in Weskan area (Wallace County with predevelopment saturated thickness >150ft)

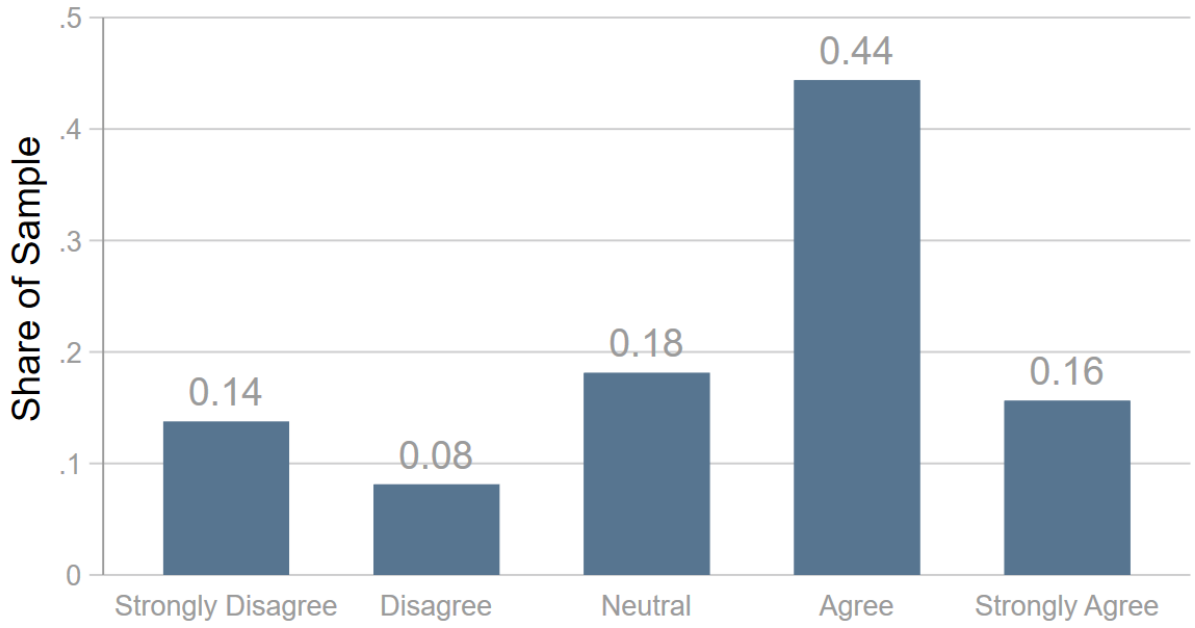
N=16

Decrease water use **less** in these areas	13%
Decrease water use **the same** in these areas	81%
Decrease water use **more** in these areas	6%

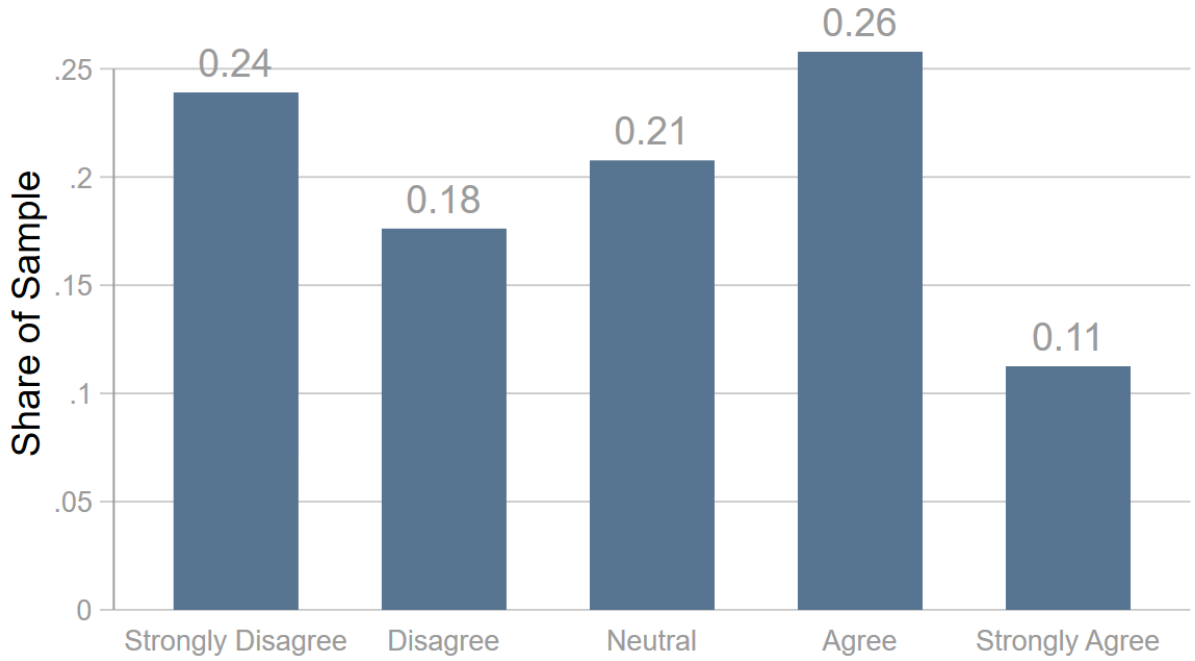
Water right seniority is determined by when a water right was first established. Older water rights are more senior and have greater protection under the law. Should more senior non-vested water rights within the GMD be given larger LEMA allocations than junior water rights? (Note: Vested rights are exempt from any LEMA.)

Yes	35%
No	65%

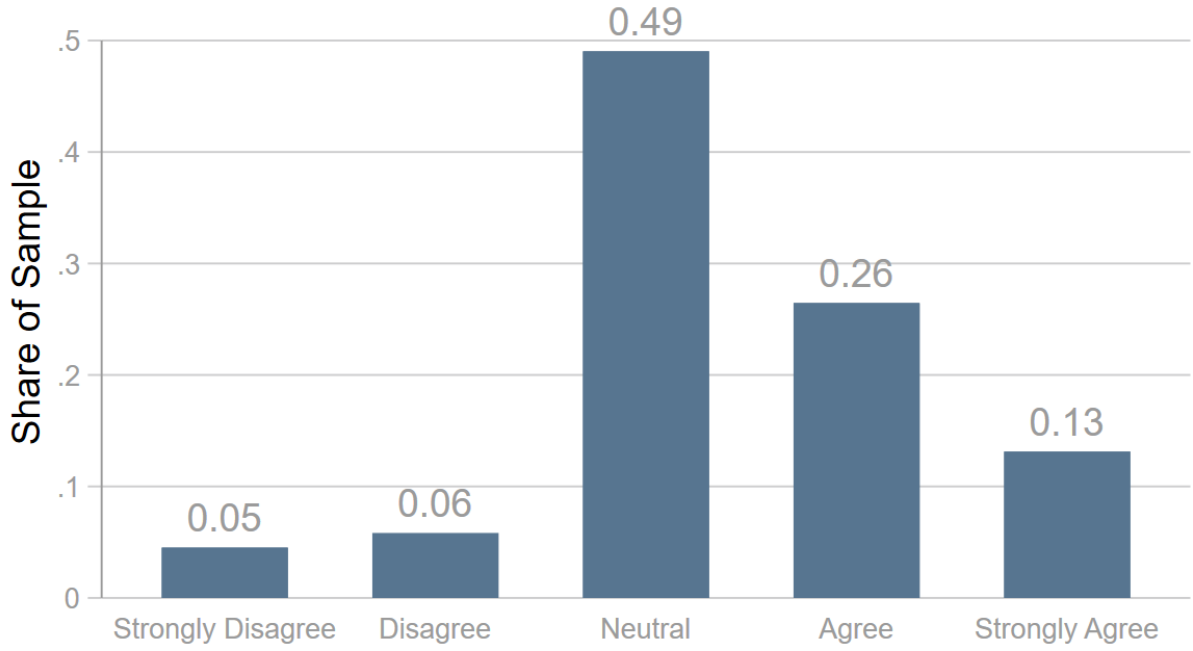
The GMD should more actively manage groundwater use for the good of existing water rights. (N=160)



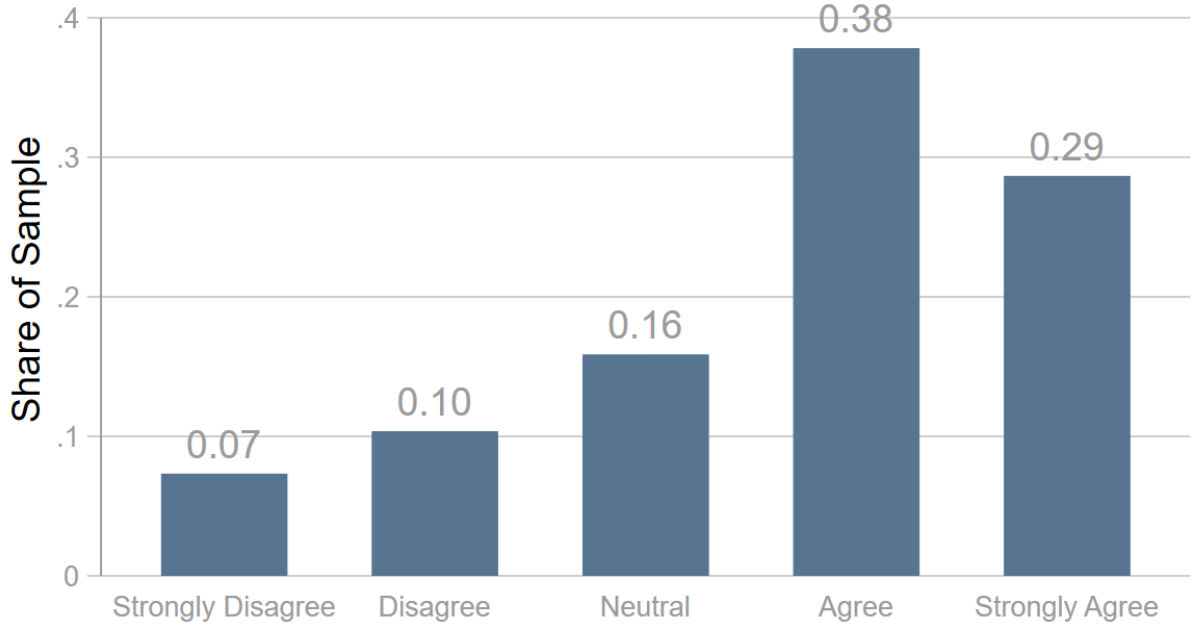
The GMD 1 Board should just put together what they think is the best LEMA plan and start the approval process. (N=160)



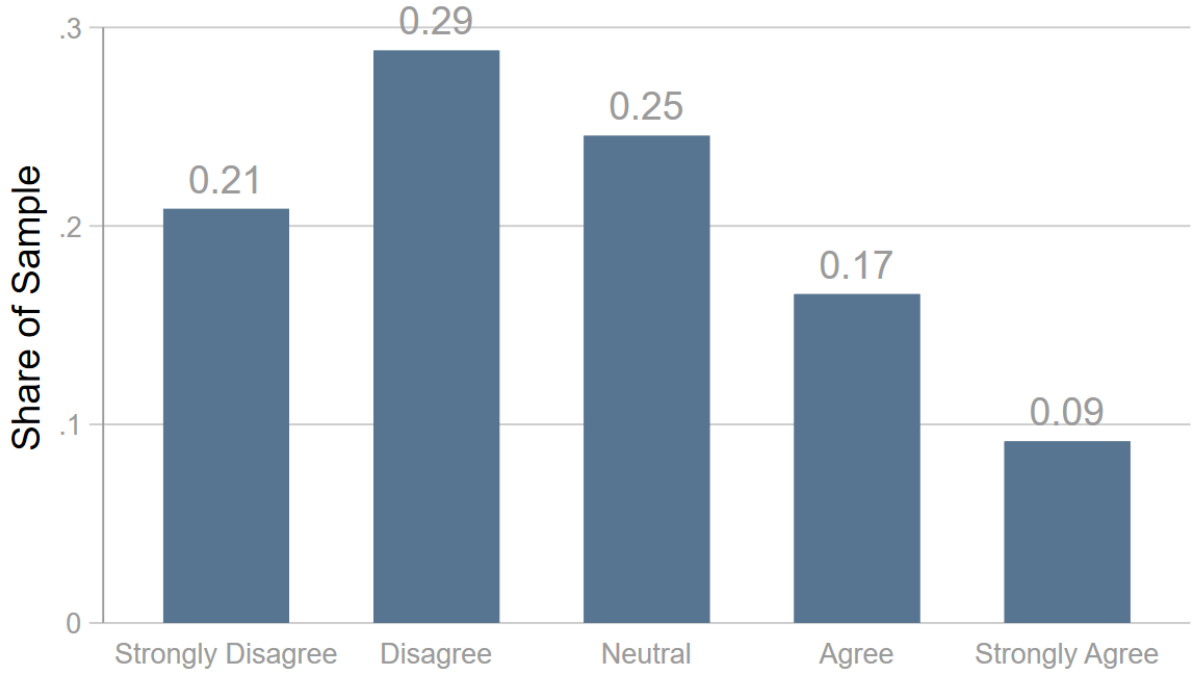
I would like to provide additional input before the GMD 1 Board starts the approval process for a new LEMA plan. (N=160)



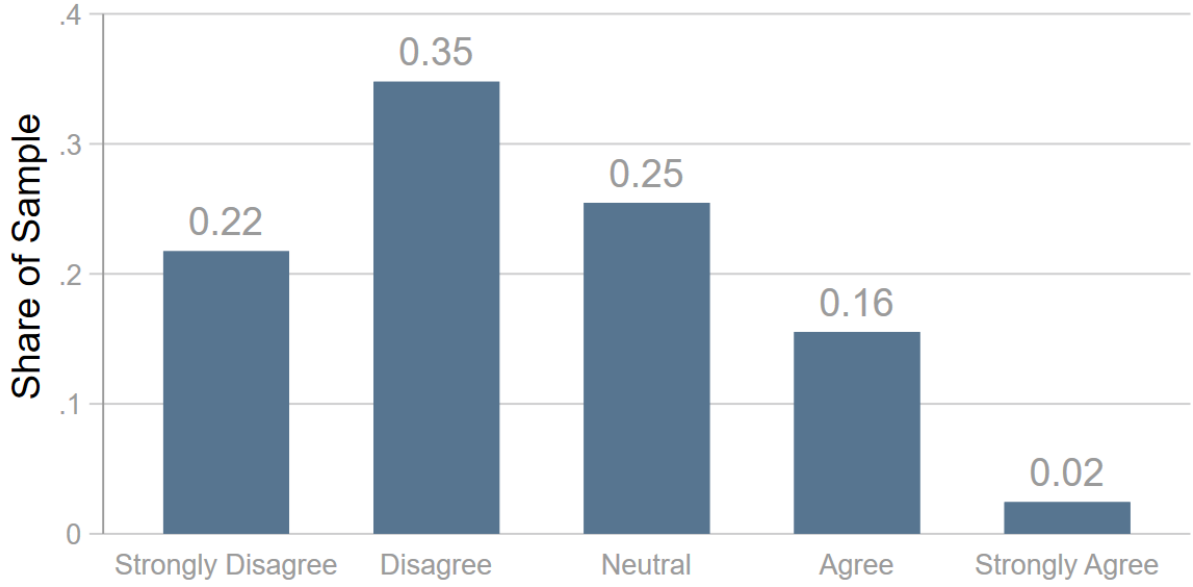
The state is likely to regulate groundwater use if farmers do not take measures to reduce use. (N=164)



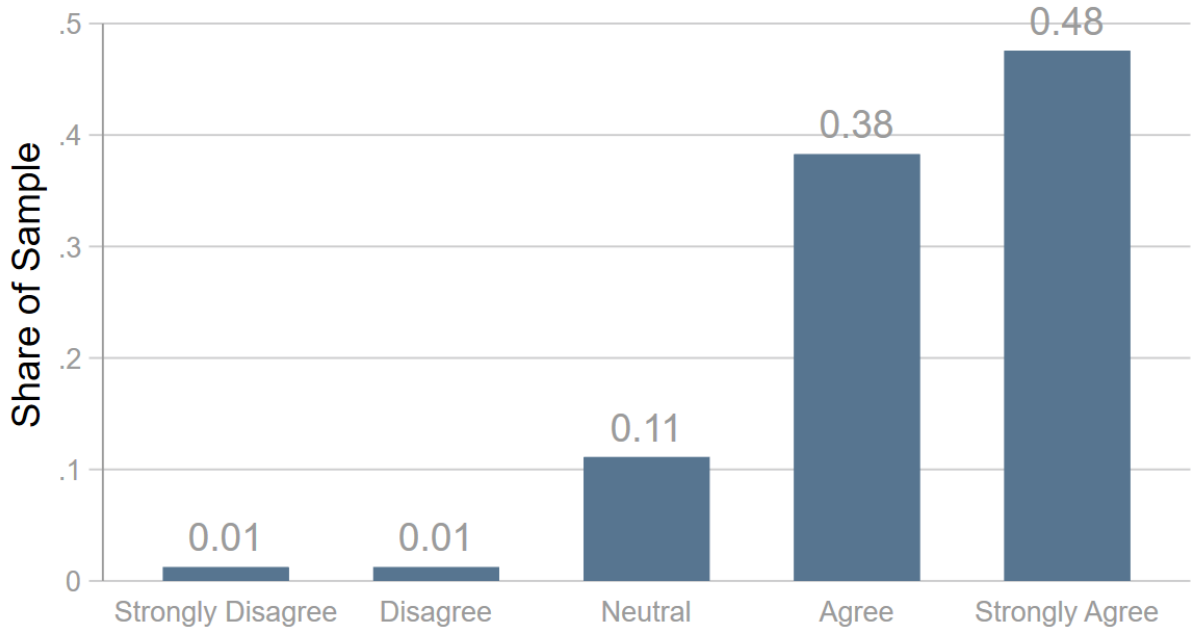
Any reductions in water use should be voluntary. (N=164)



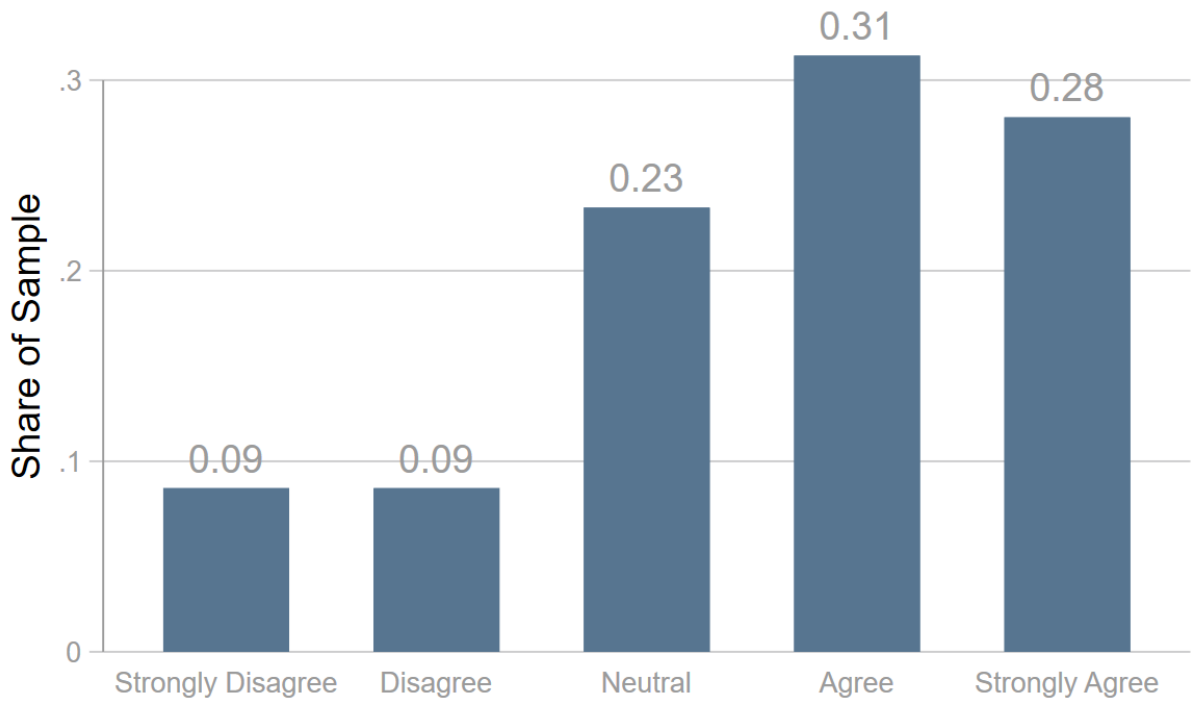
Neighboring water rights in my area(s) would be willing to voluntarily reduce water use without mandatory reductions. (N=164)



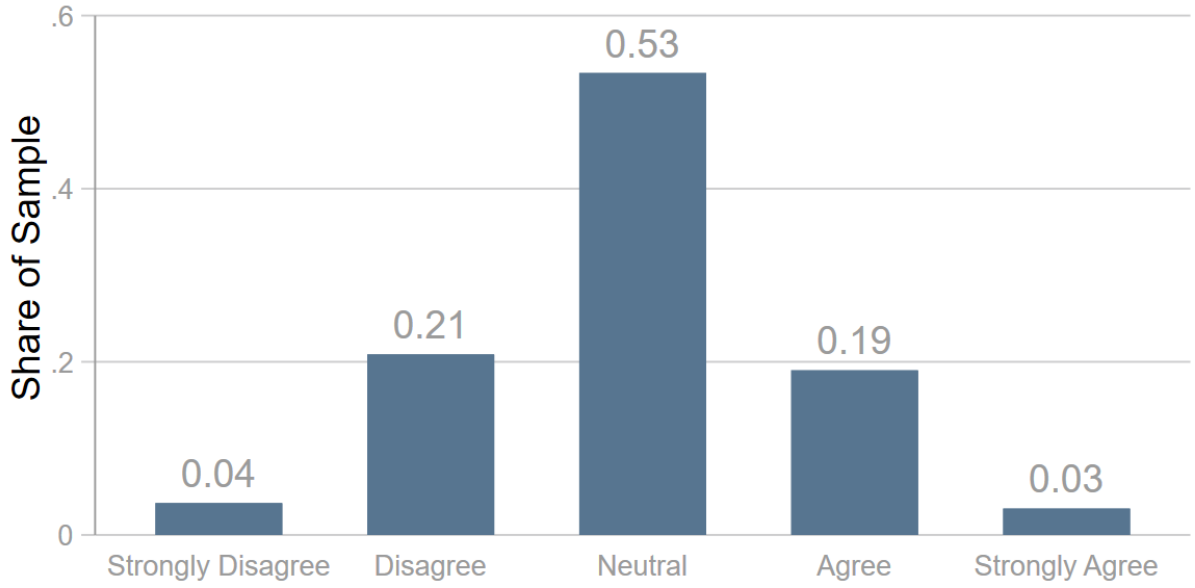
Irrigators should conserve groundwater for future generations. (N=164)



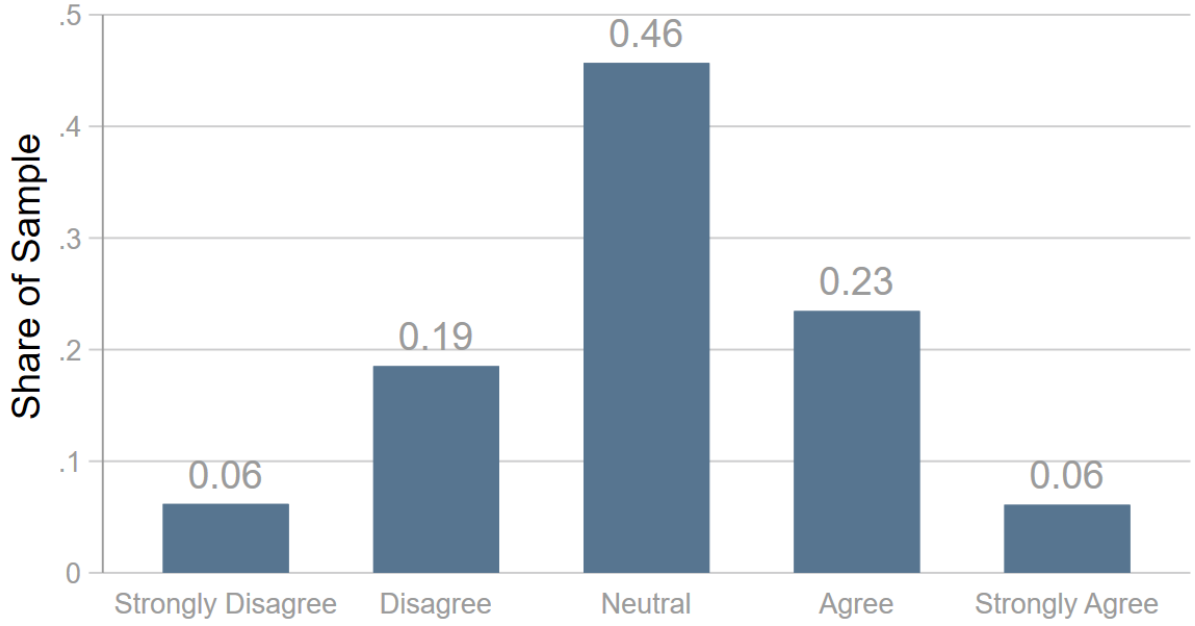
Water rights are a private property right. (N=164)



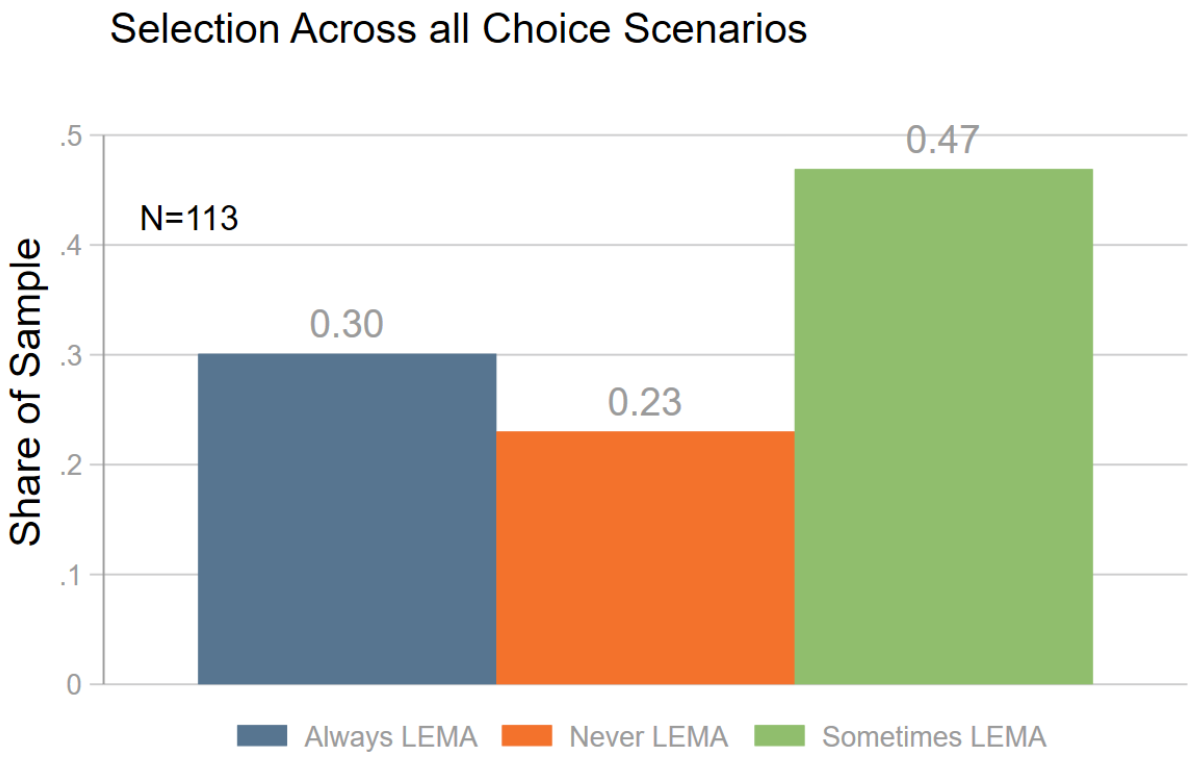
If no actions are taken to reduce water use, then water right owne in my area(s) are likely to file impairment complaints to reduce the use of those with junior water rights. (N=164)

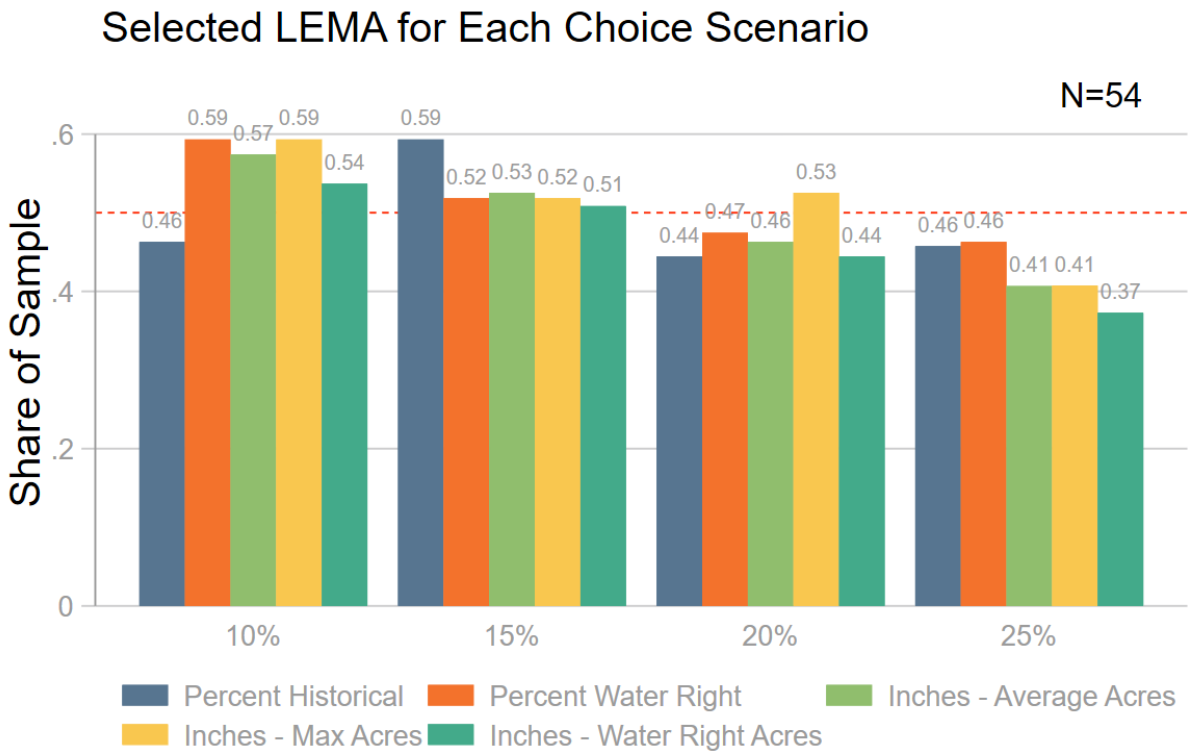


I know the seniority of my water right(s) relative to neighboring rights in my area(s). (N=164)

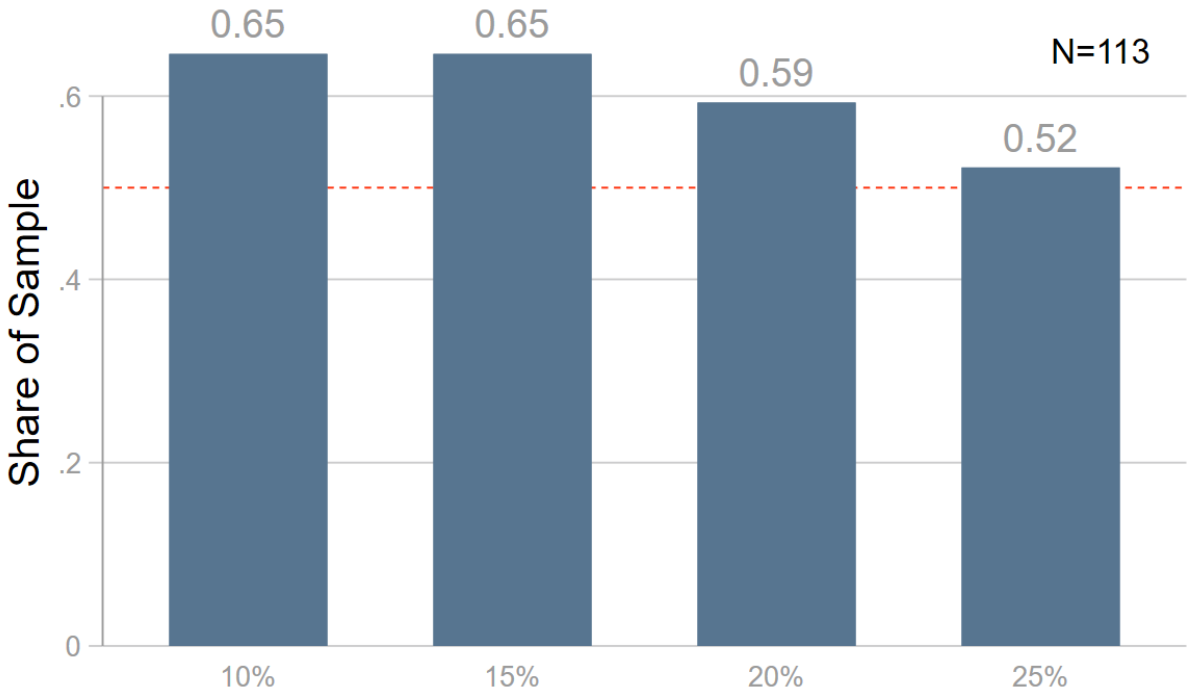


All responses where a respondent has some irrigated acres.

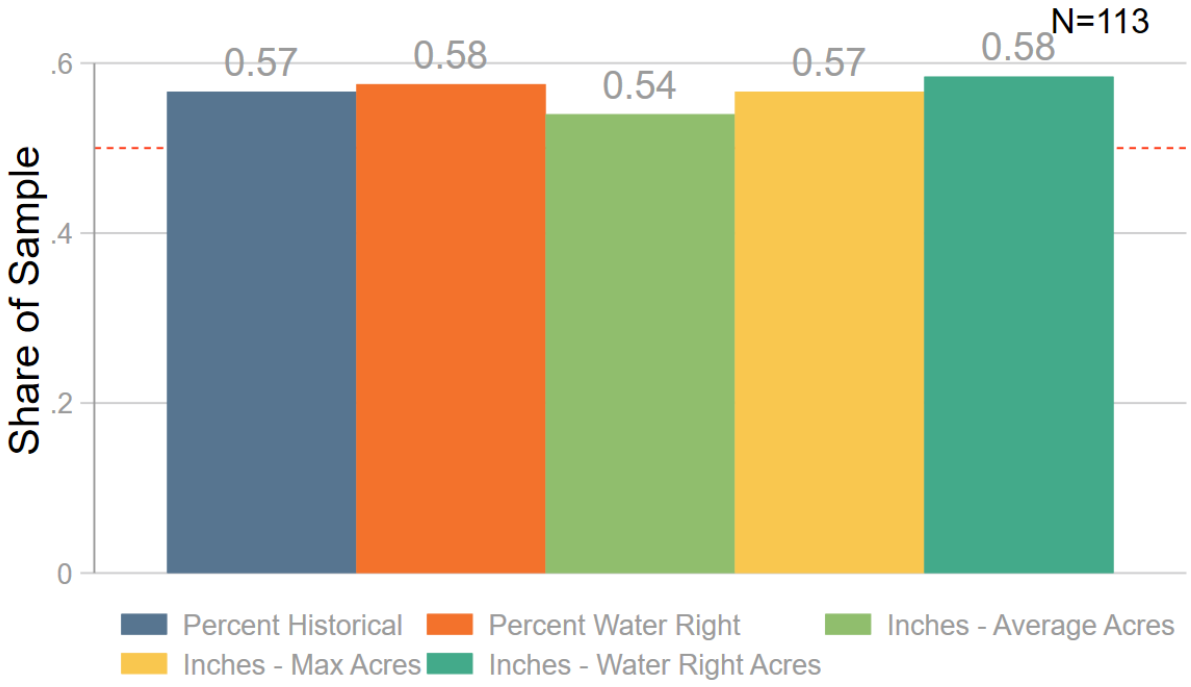


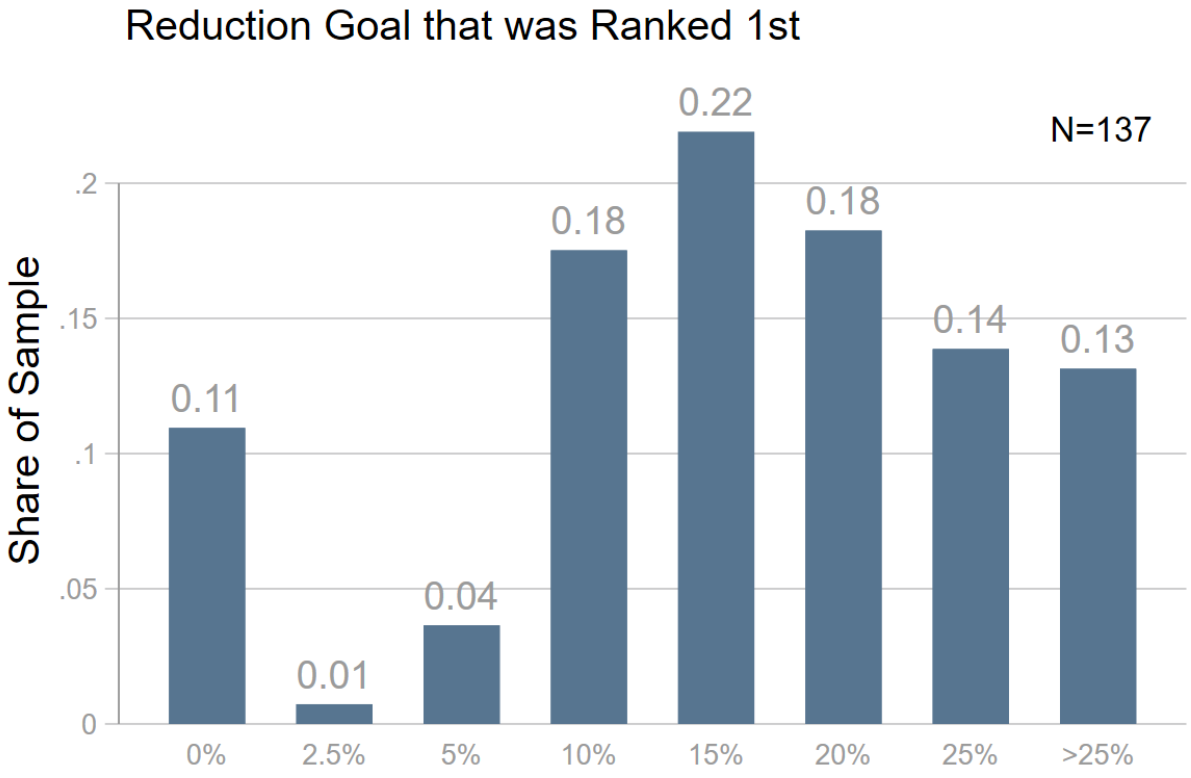


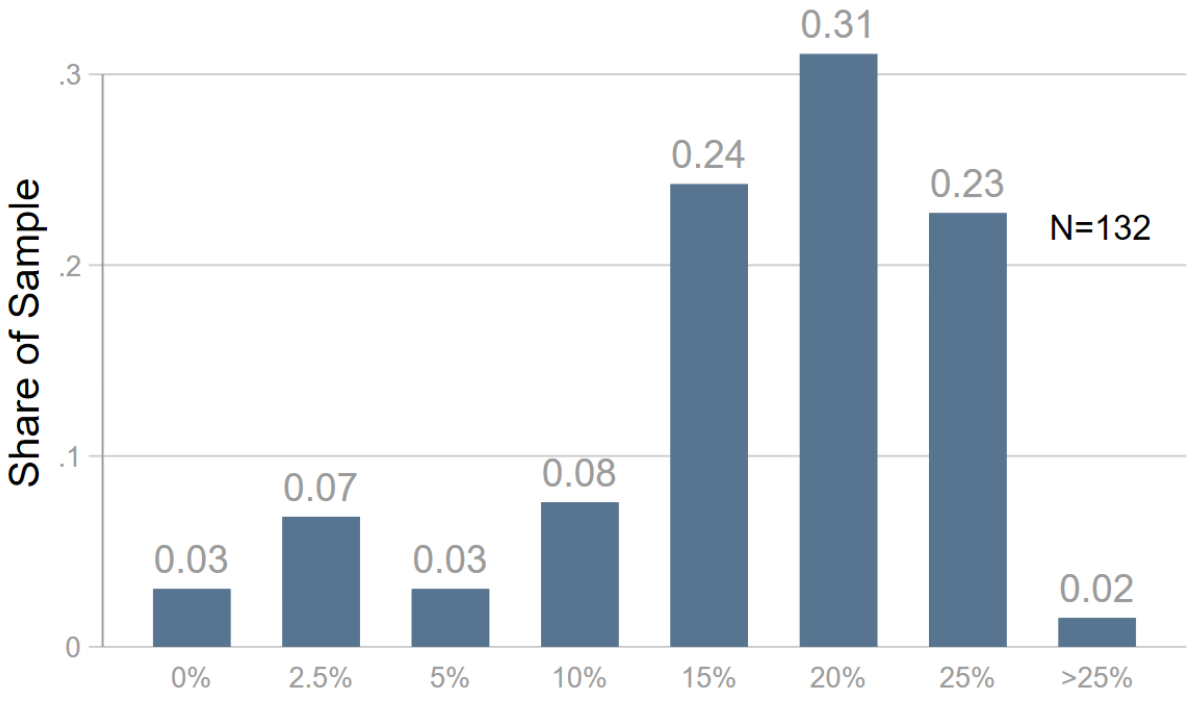
Selected LEMA for each Reduction Goal



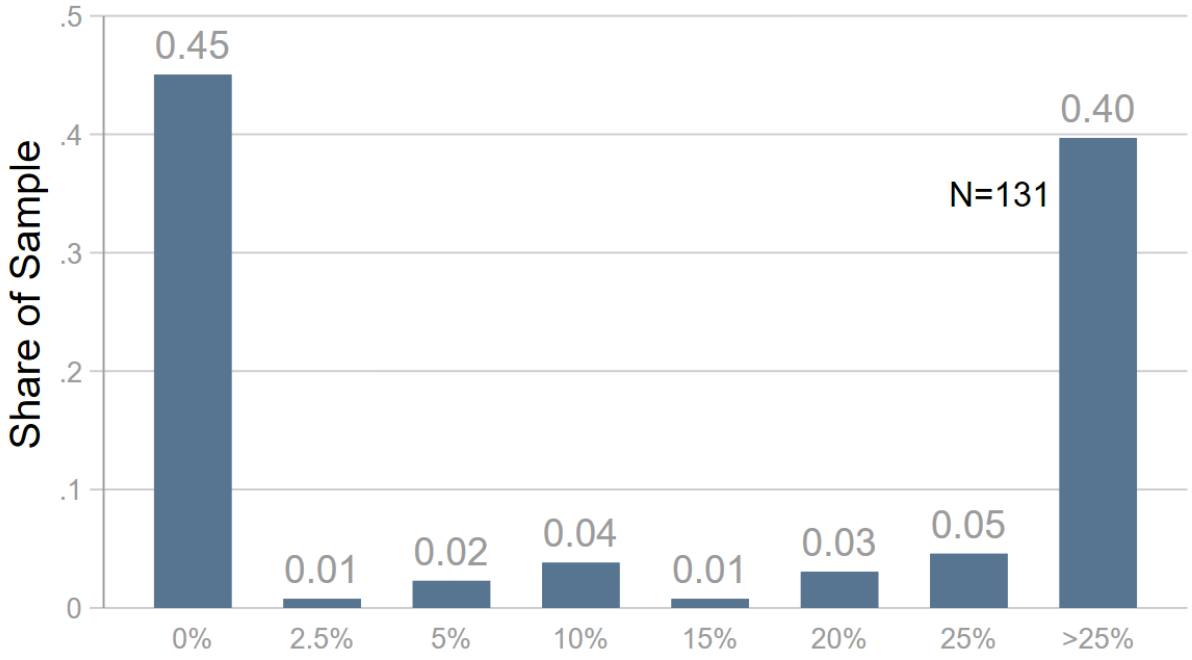
Selected LEMA for each Method of Assigning Allocations



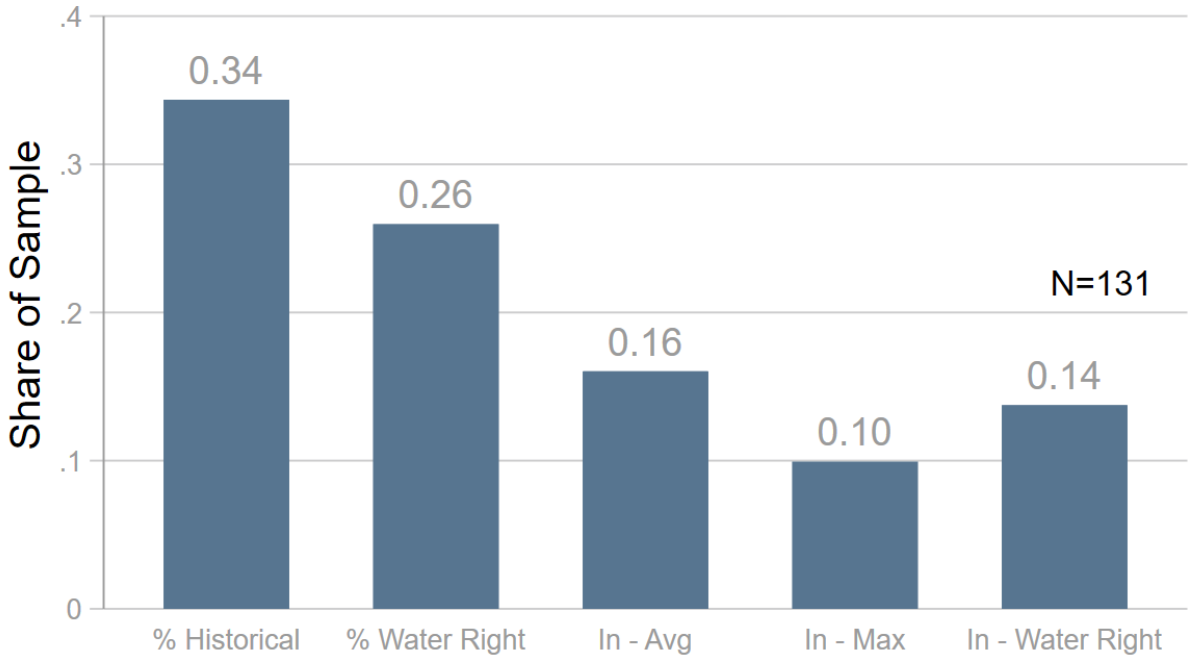

Reduction Goal that was Ranked 1st
N=137
Share of Sample
0
.05
.1
.15
.2
0.11
0.01
0.04
0.18
0.22
0.18
0.14
0.13
0%
2.5%
5%
10%
15%
20%
25%
>25%


Reduction Goal that was Ranked 2nd
N=132
Share of Sample
0
.1
.2
.3
0.03
0.07
0.03
0.08
0.24
0.31
0.23
0.02
0%
2.5%
5%
10%
15%
20%
25%
>25%

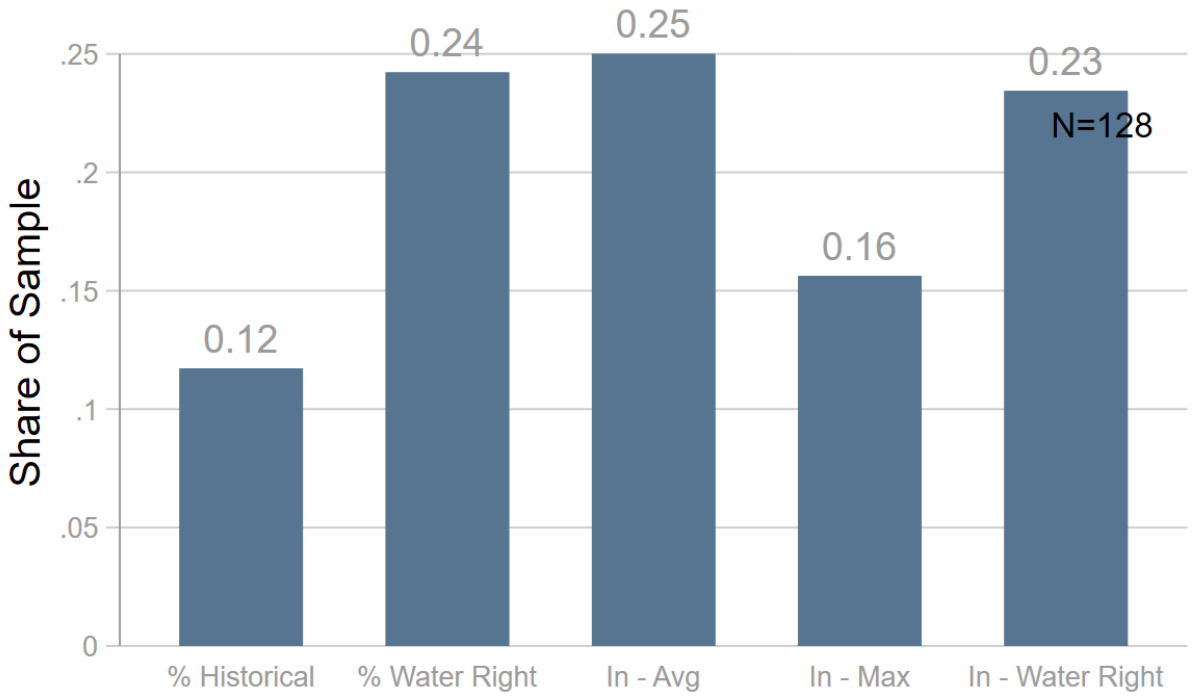
Reduction Goal that was Ranked Worst



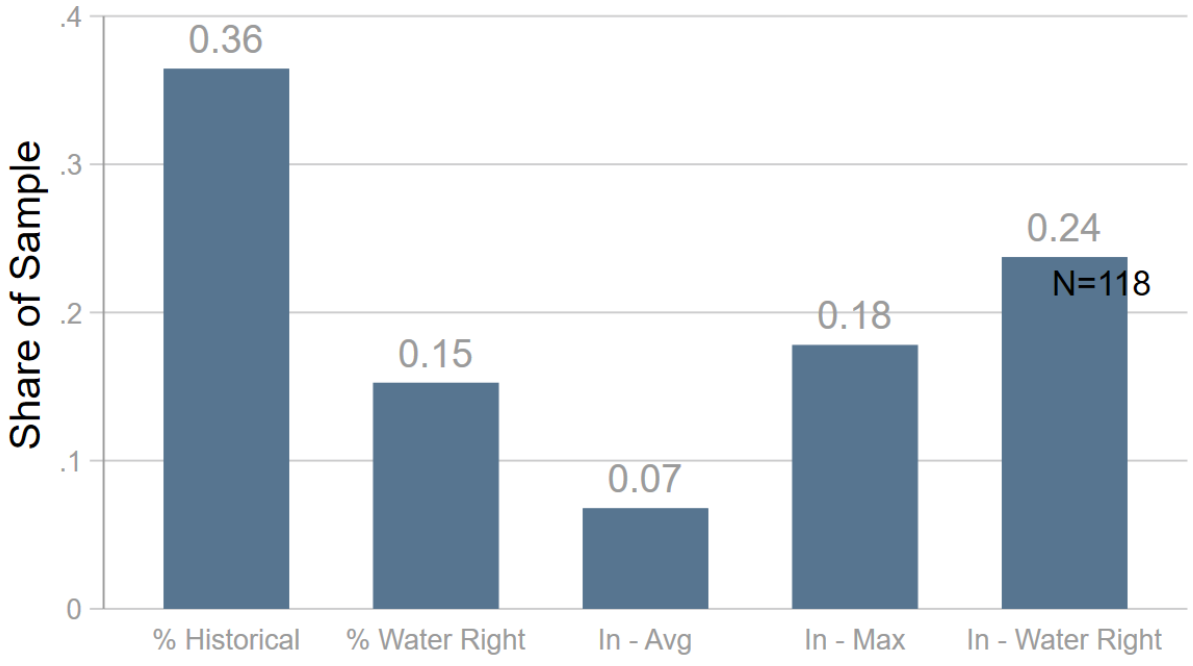
Method of Assigning Allocations that was Ranked 1st



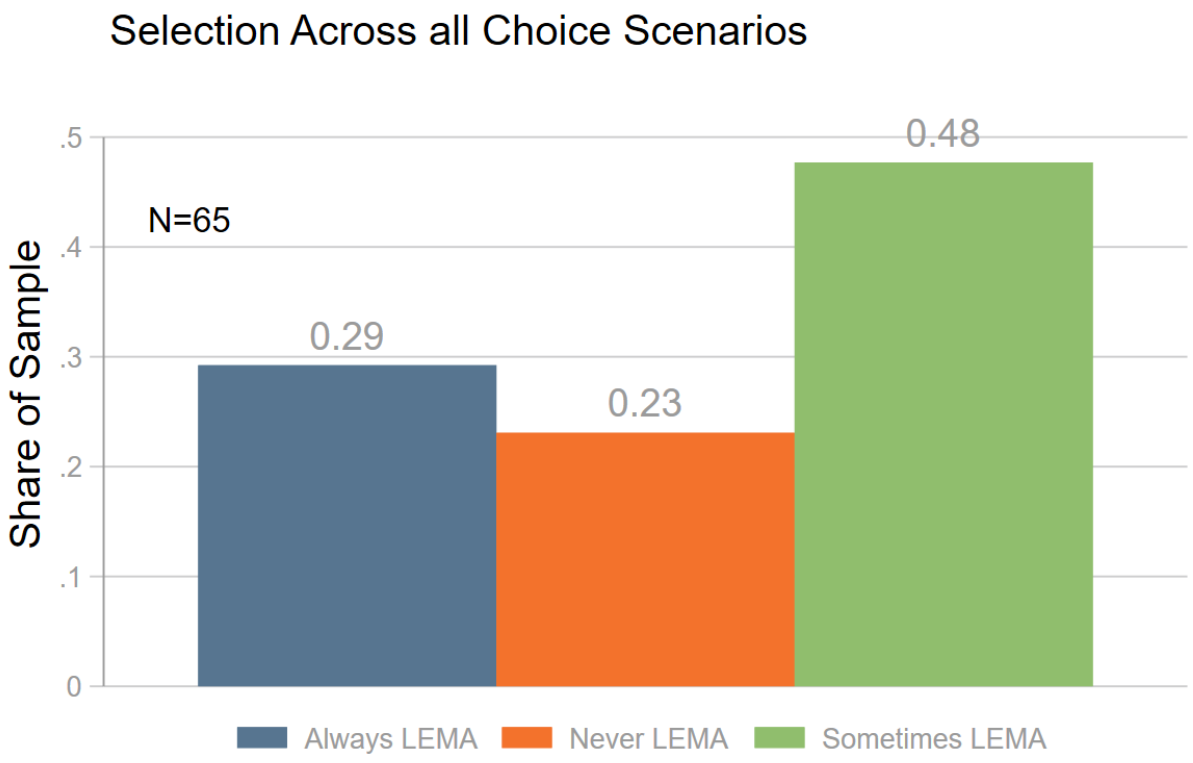
Method of Assigning Allocations that was Ranked 2nd

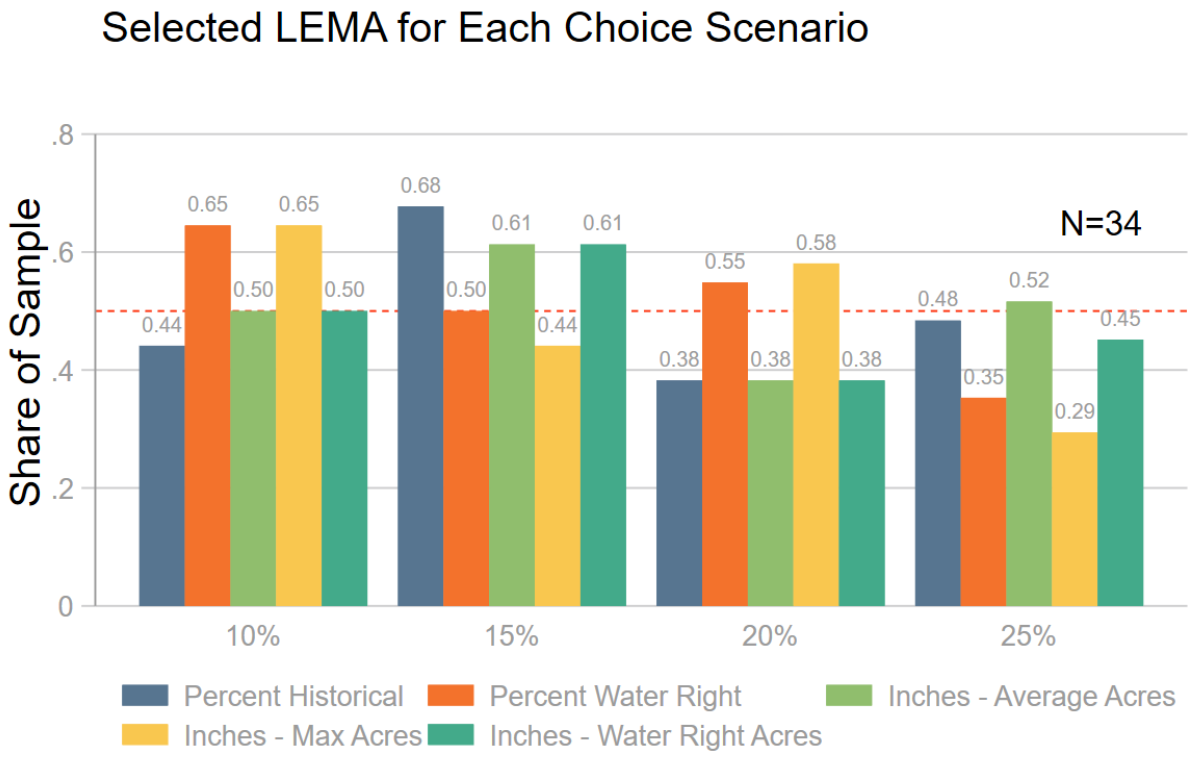


Method of Assigning Allocations that was Ranked Worst

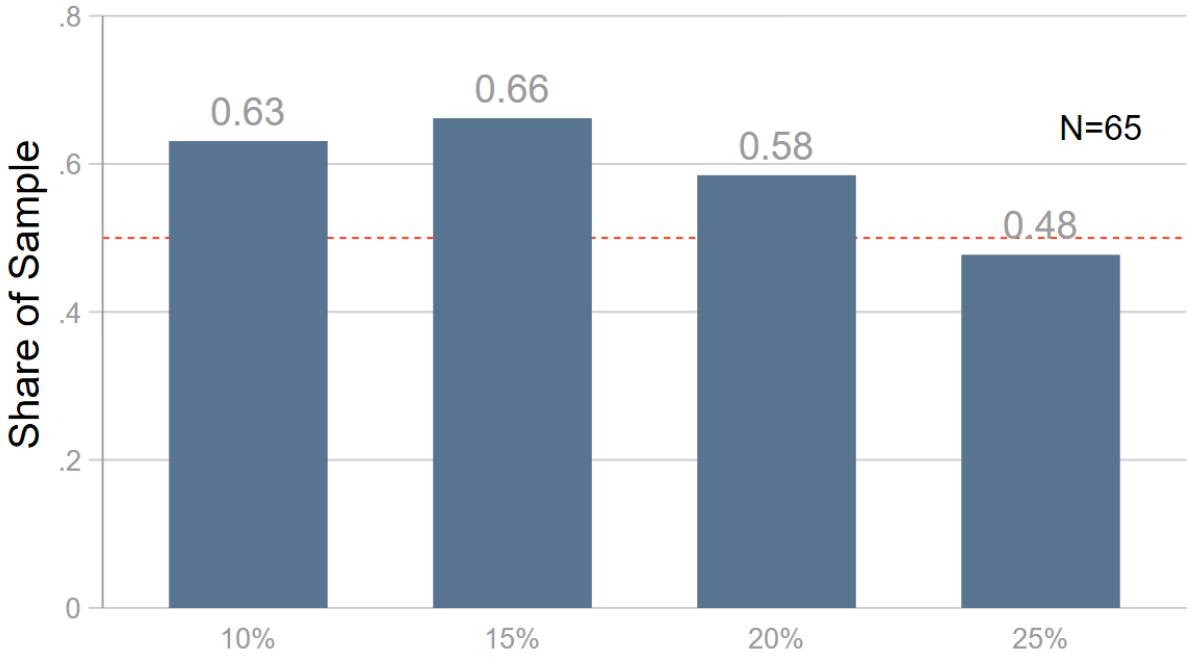


NO irrigation in Wichita County and some irrigated acres

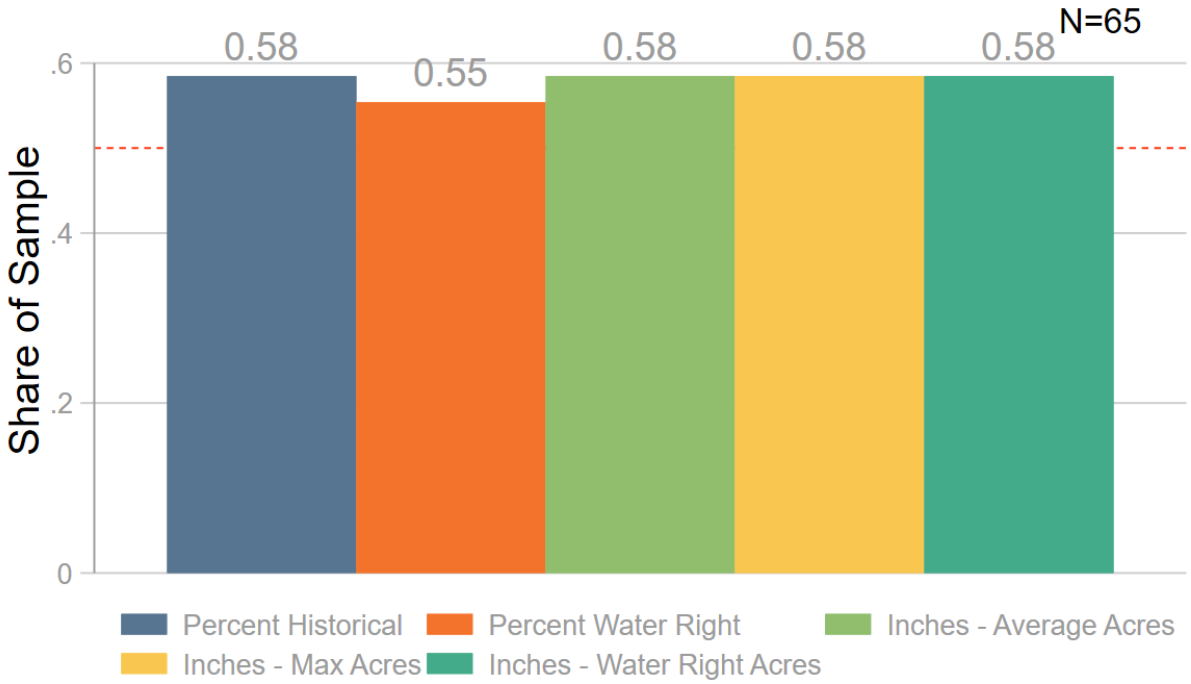




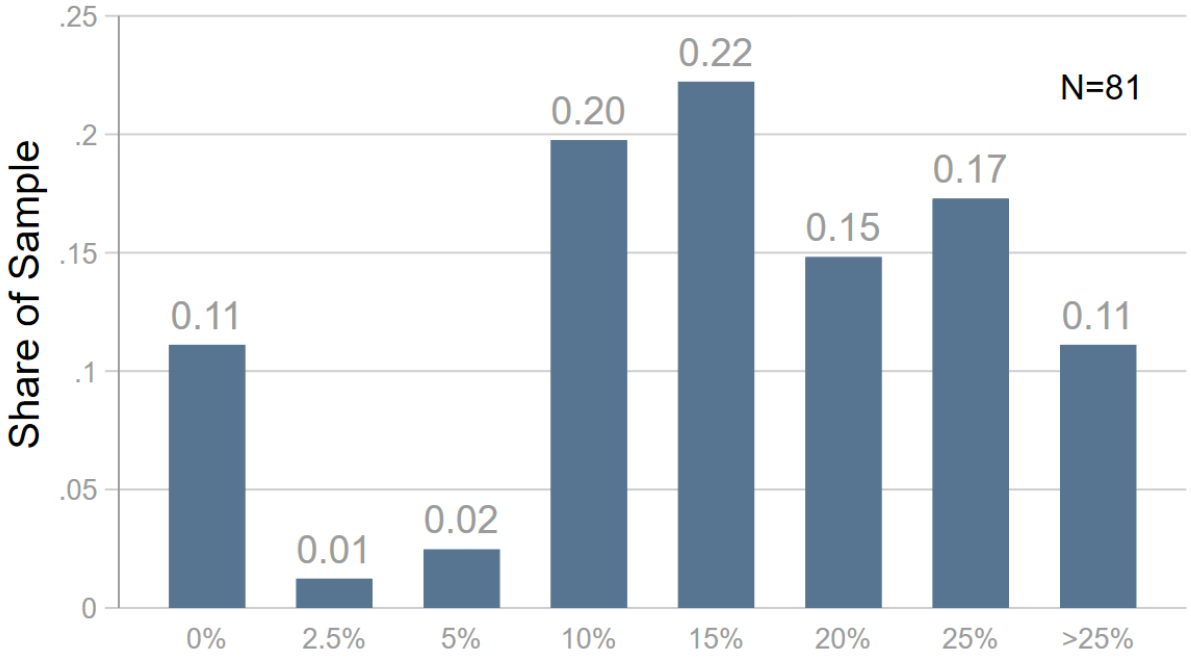
Selected LEMA for each Reduction Goal



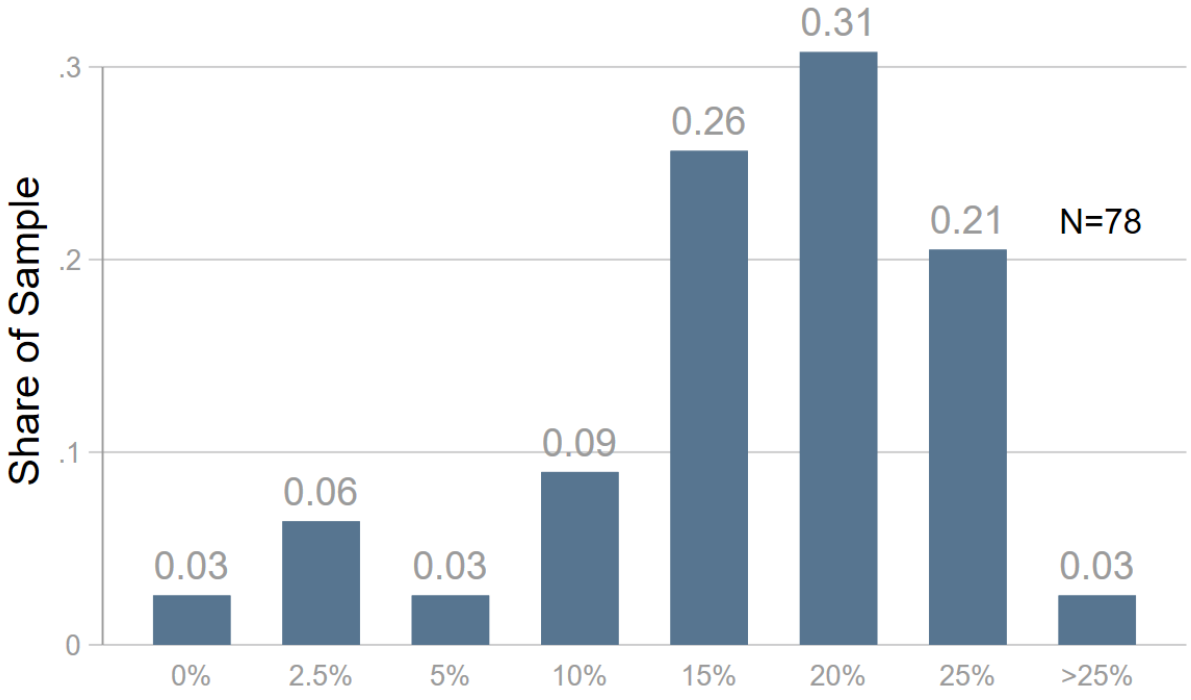
Selected LEMA for each Method of Assigning Allocations



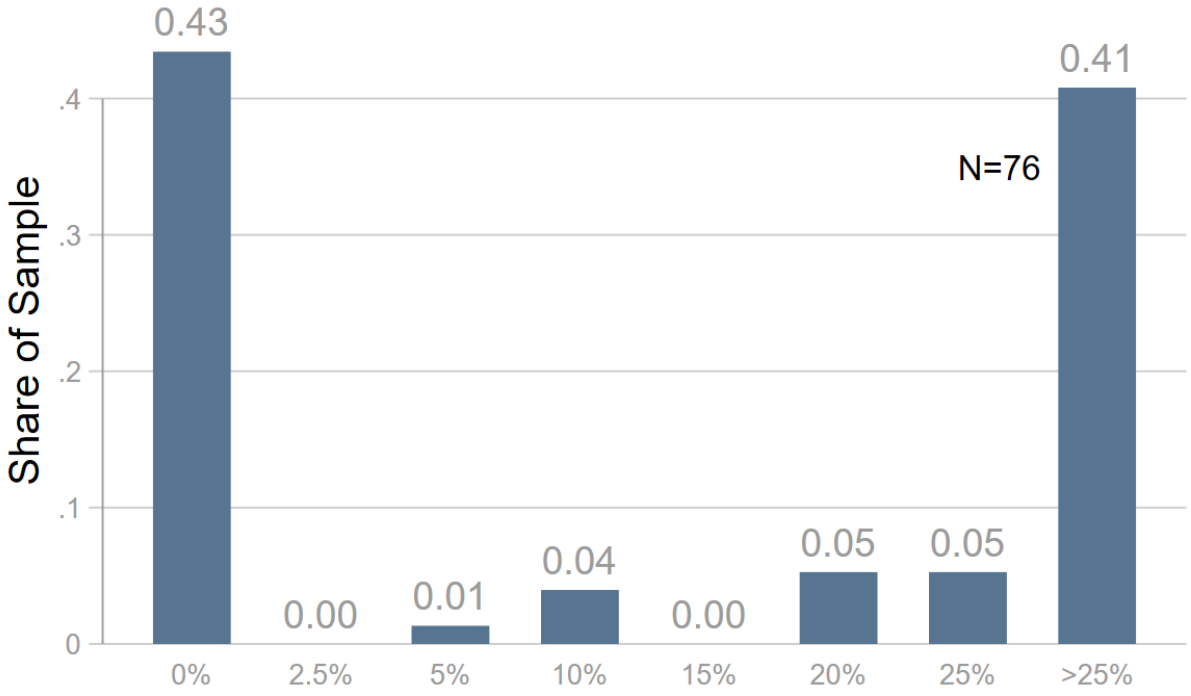
Reduction Goal that was Ranked 1st



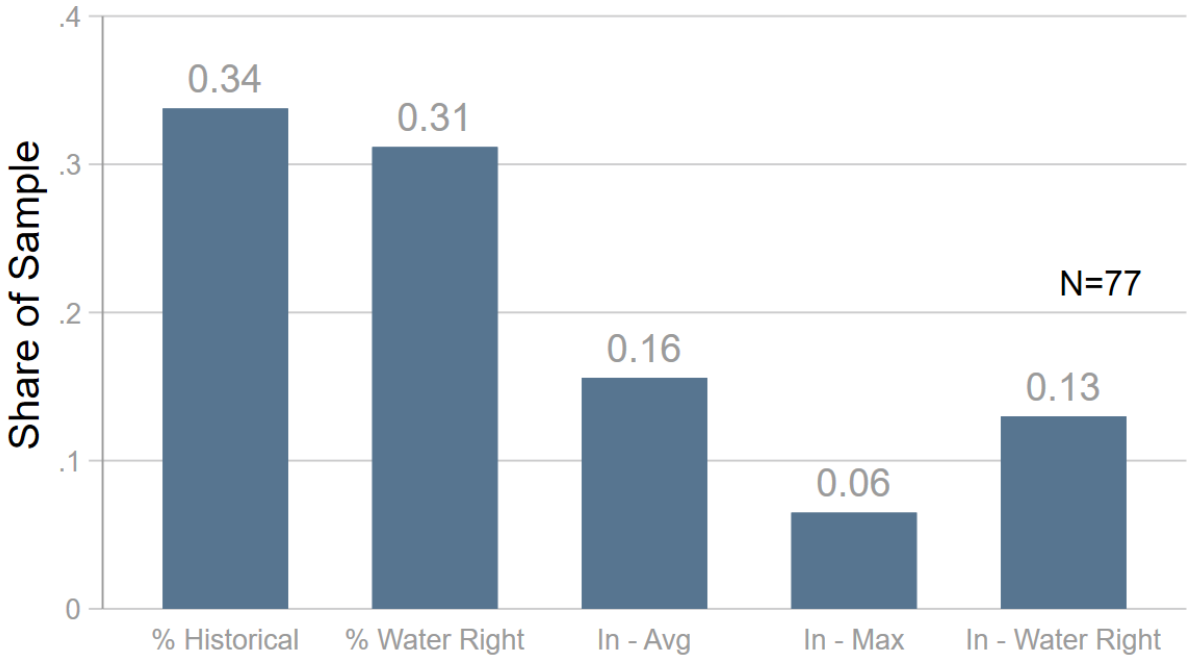
Reduction Goal that was Ranked 2nd

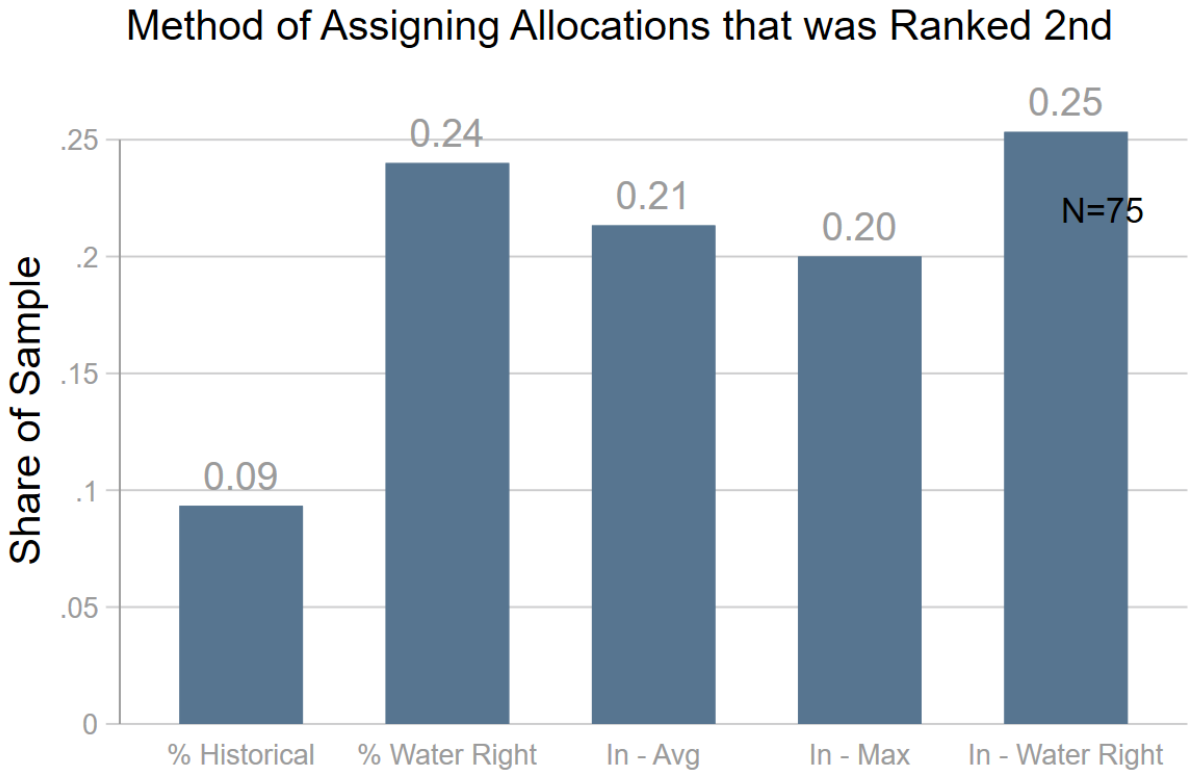


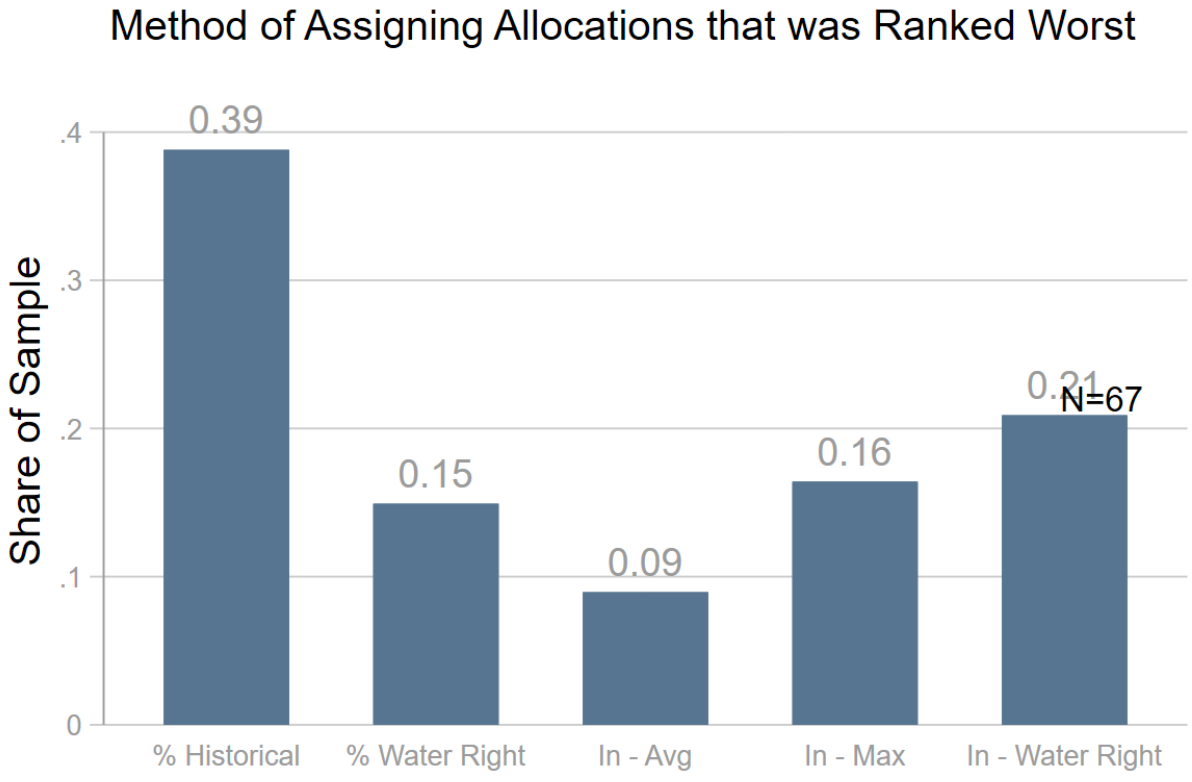
Reduction Goal that was Ranked Worst



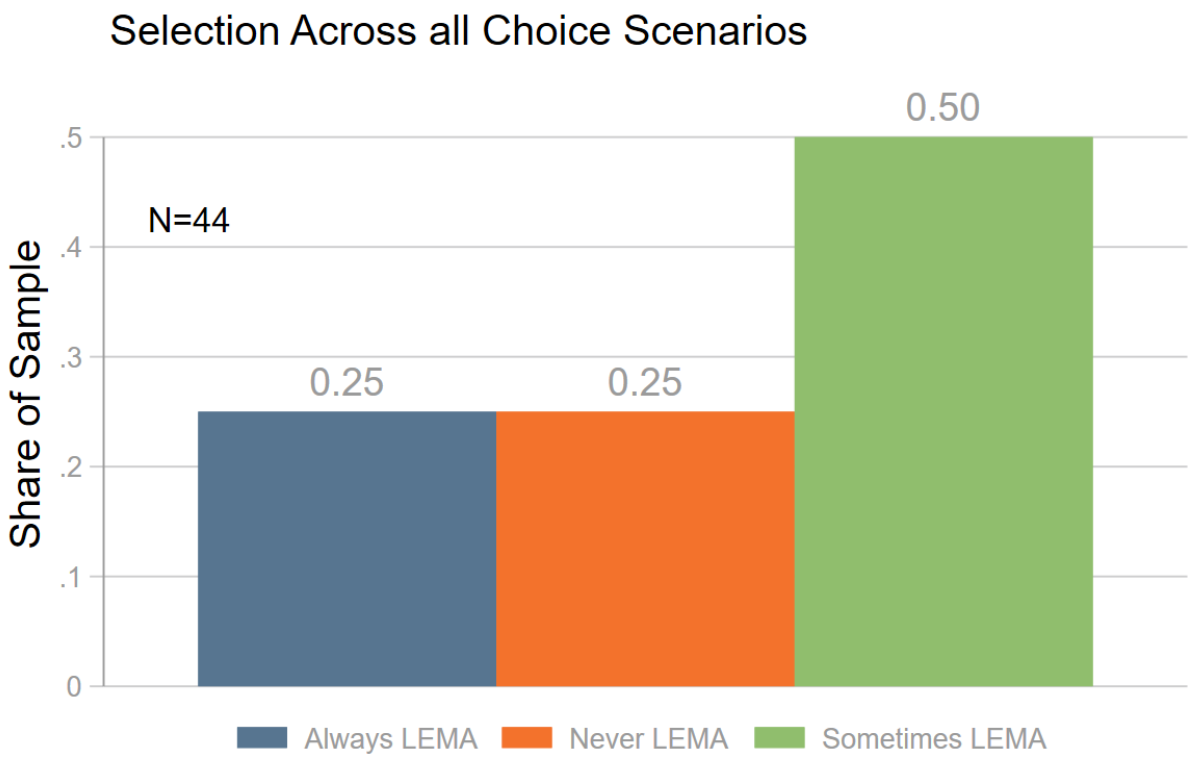
Method of Assigning Allocations that was Ranked 1st

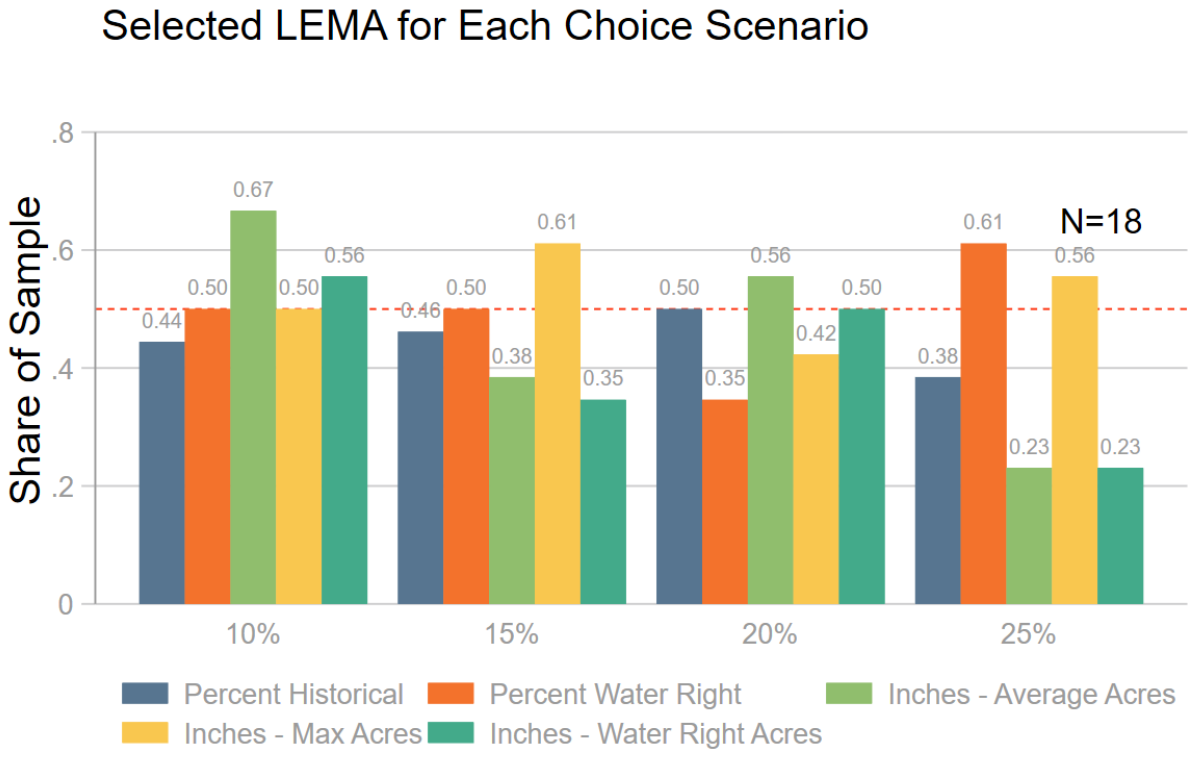



Method of Assigning Allocations that was Ranked 2nd
Share of Sample
0
.05
.1
.15
.2
.25
0.09
0.24
0.21
0.20
0.25
N=75
% Historical
% Water Right
In - Avg
In - Max
In - Water Right

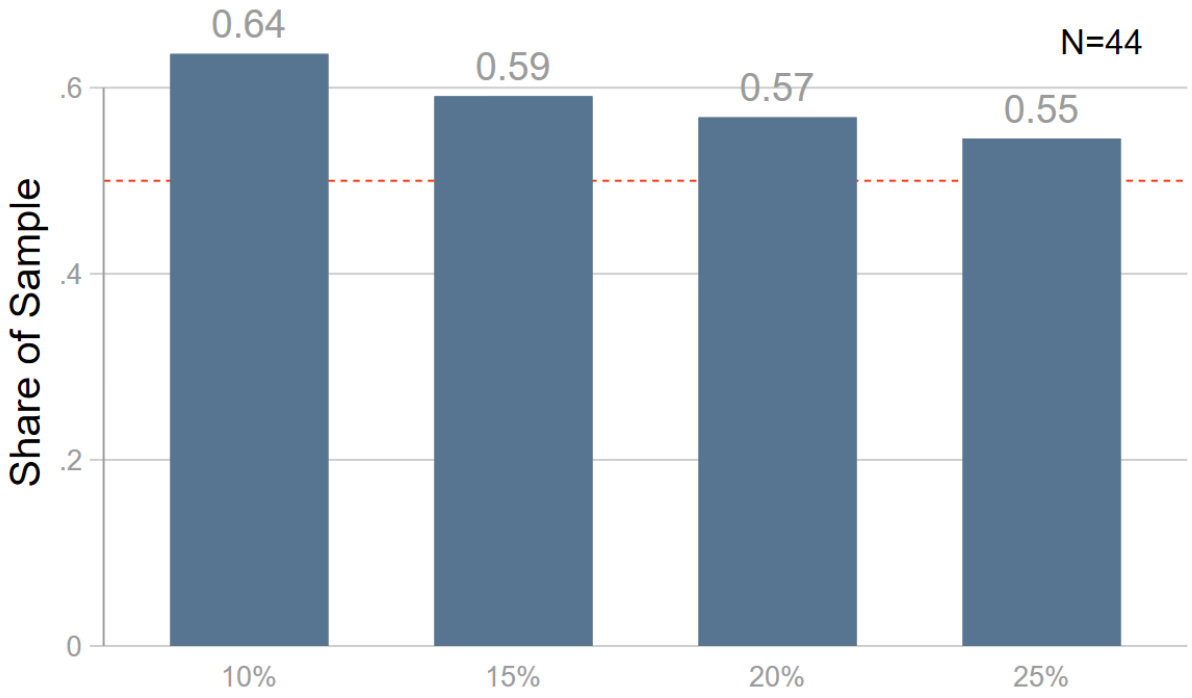

Method of Assigning Allocations that was Ranked Worst
Share of Sample
0
.1
.2
.3
.4
0.39
0.15
0.09
0.16
0.21
N=67
% Historical
% Water Right
In - Avg
In - Max
In - Water Right

Some irrigation in Wichita County and some irrigated acres

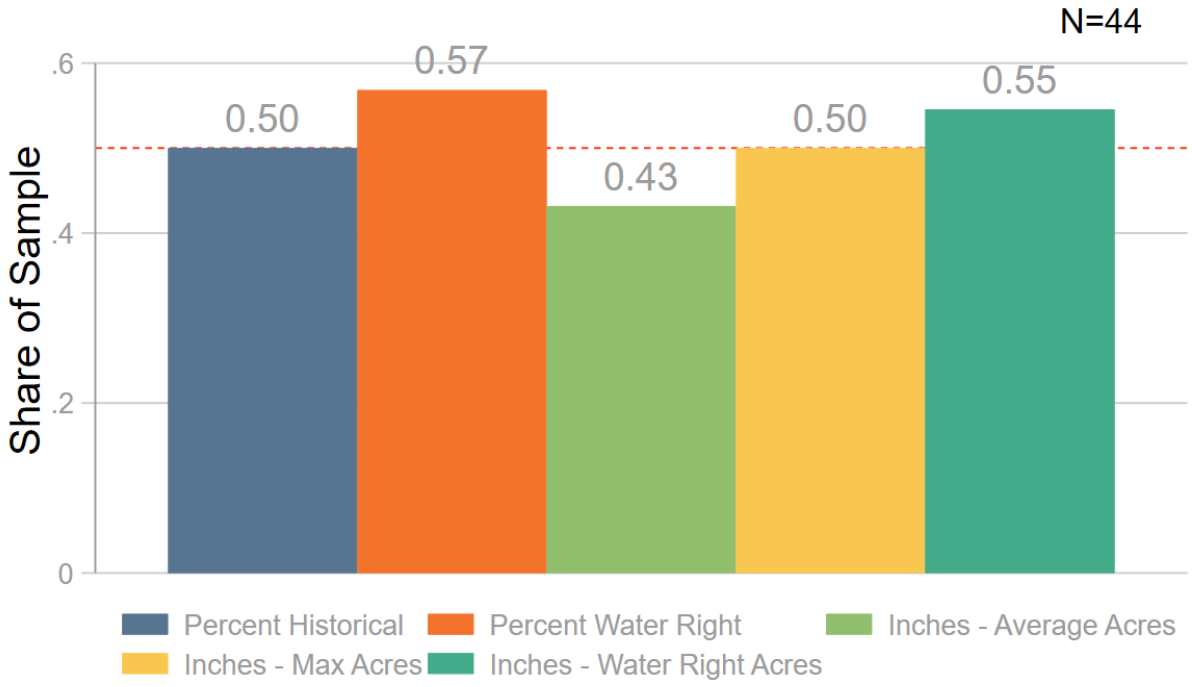




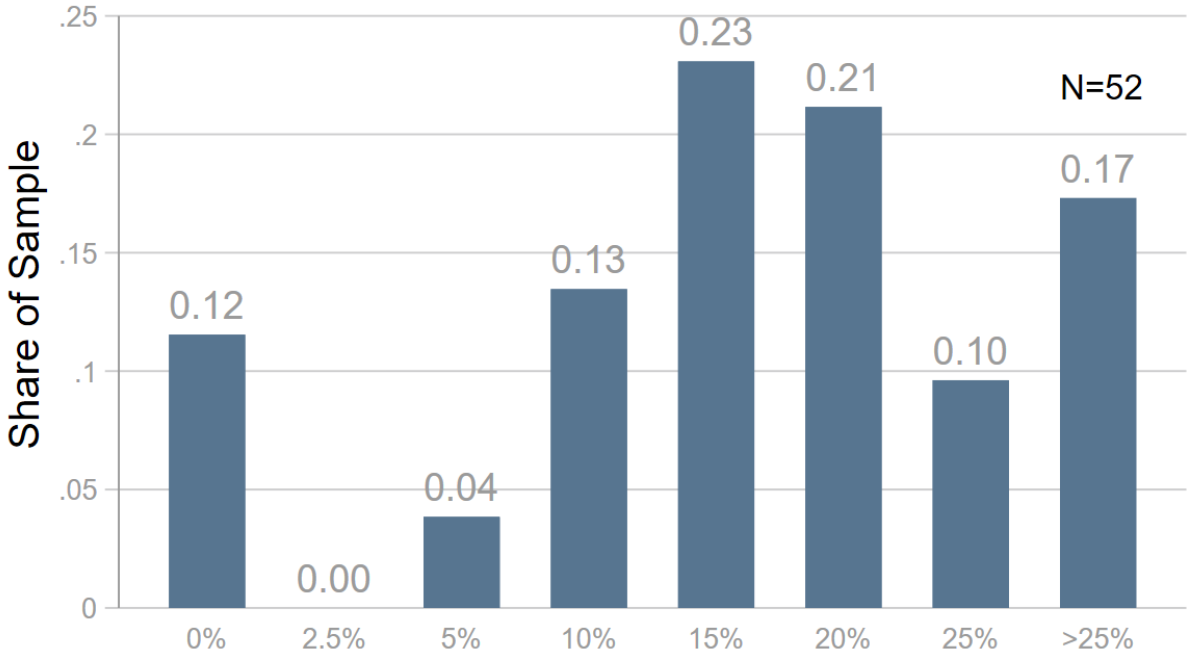
Selected LEMA for each Reduction Goal



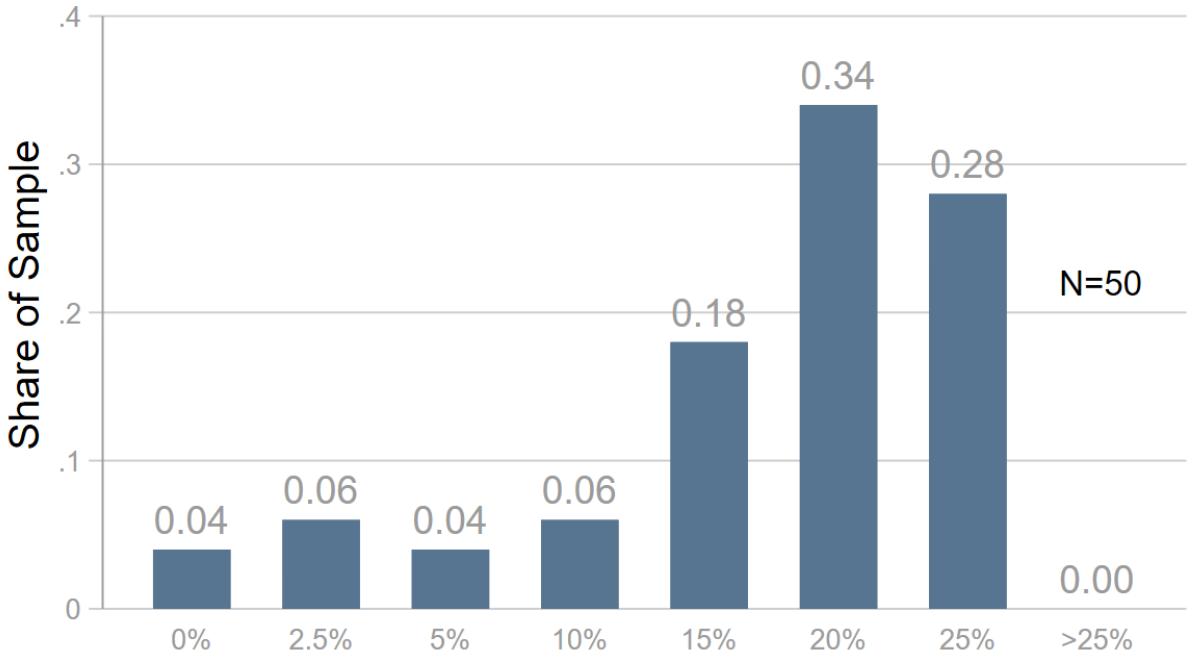
Selected LEMA for each Method of Assigning Allocations



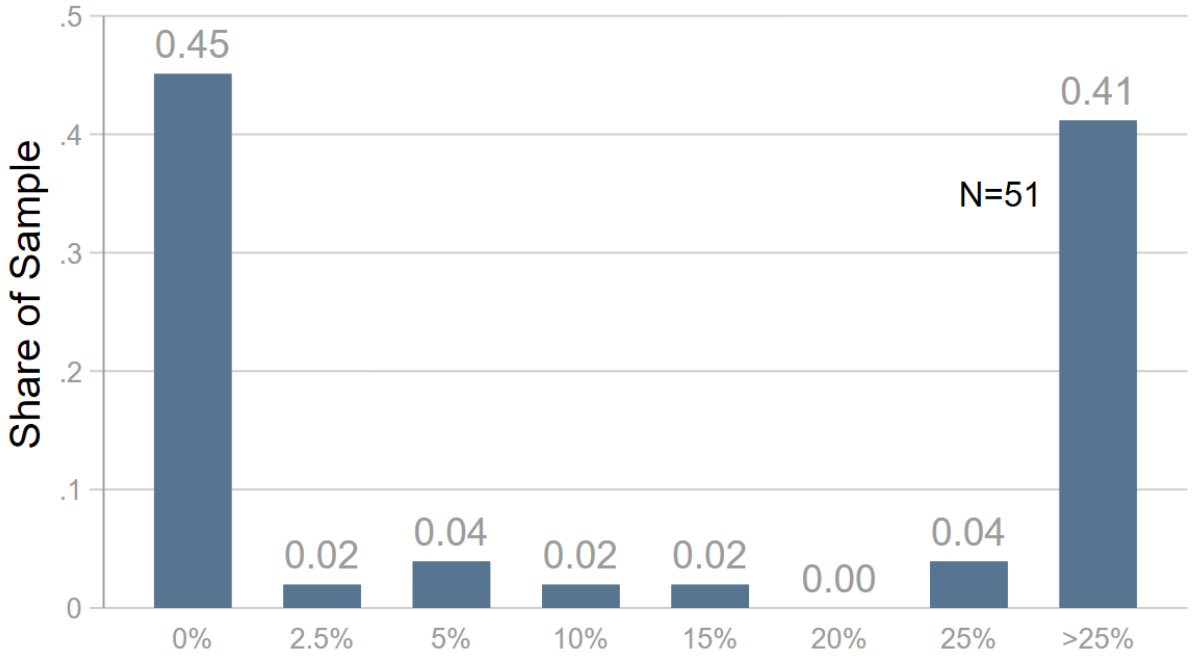
Reduction Goal that was Ranked 1st



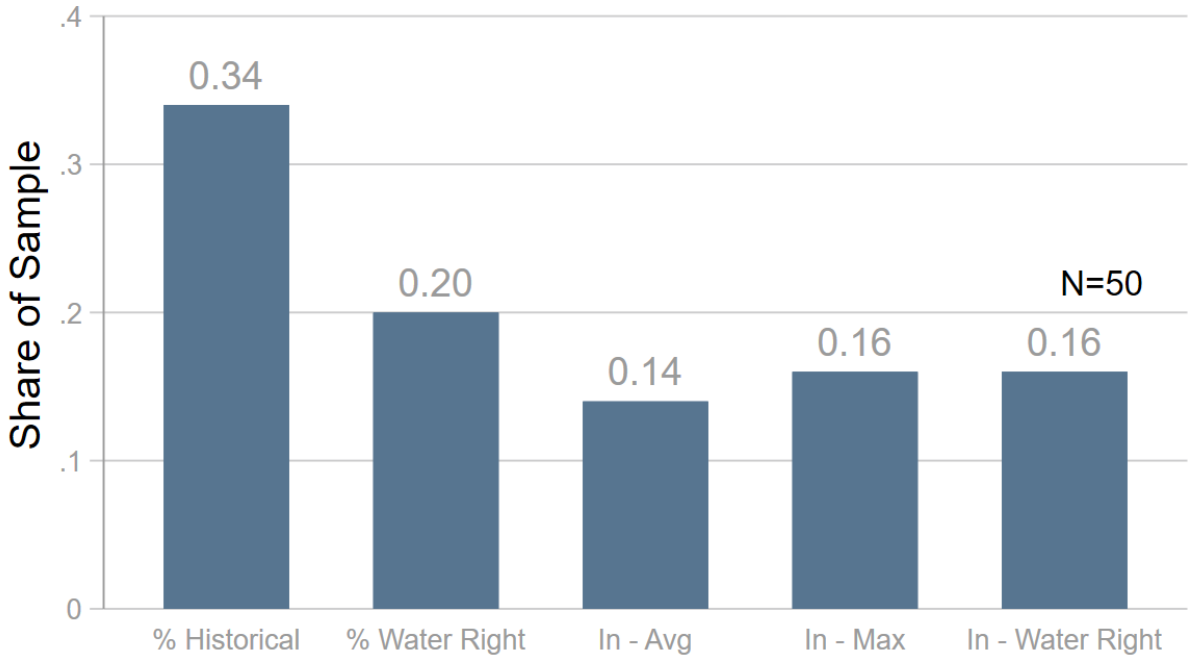
Reduction Goal that was Ranked 2nd



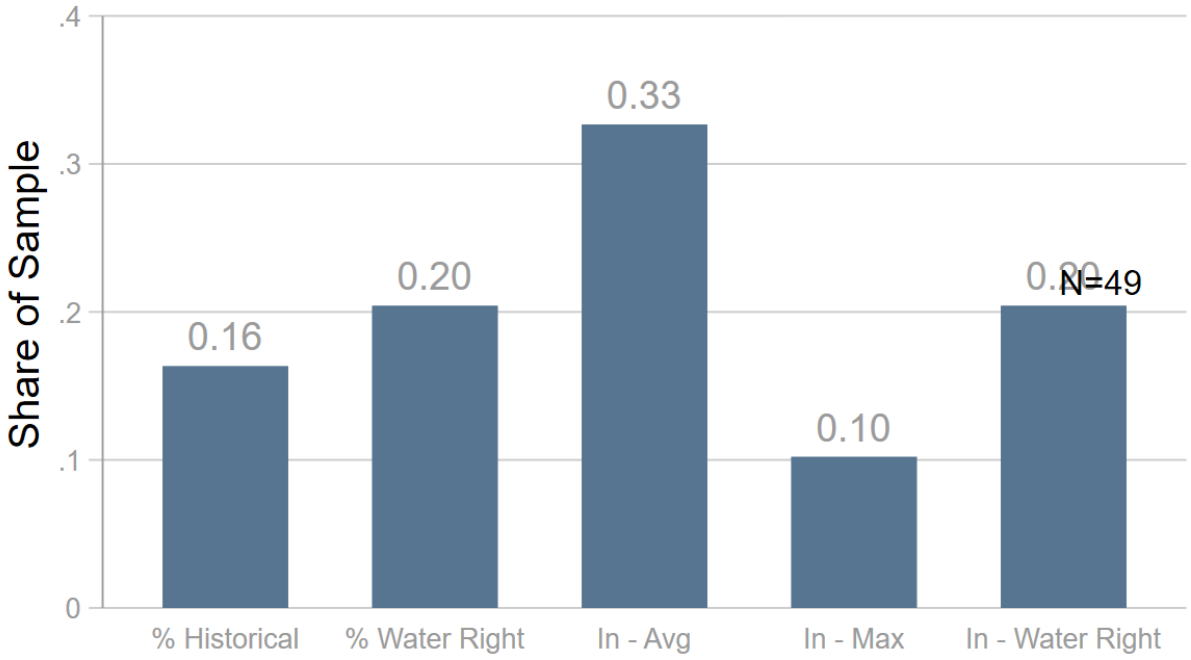
Reduction Goal that was Ranked Worst



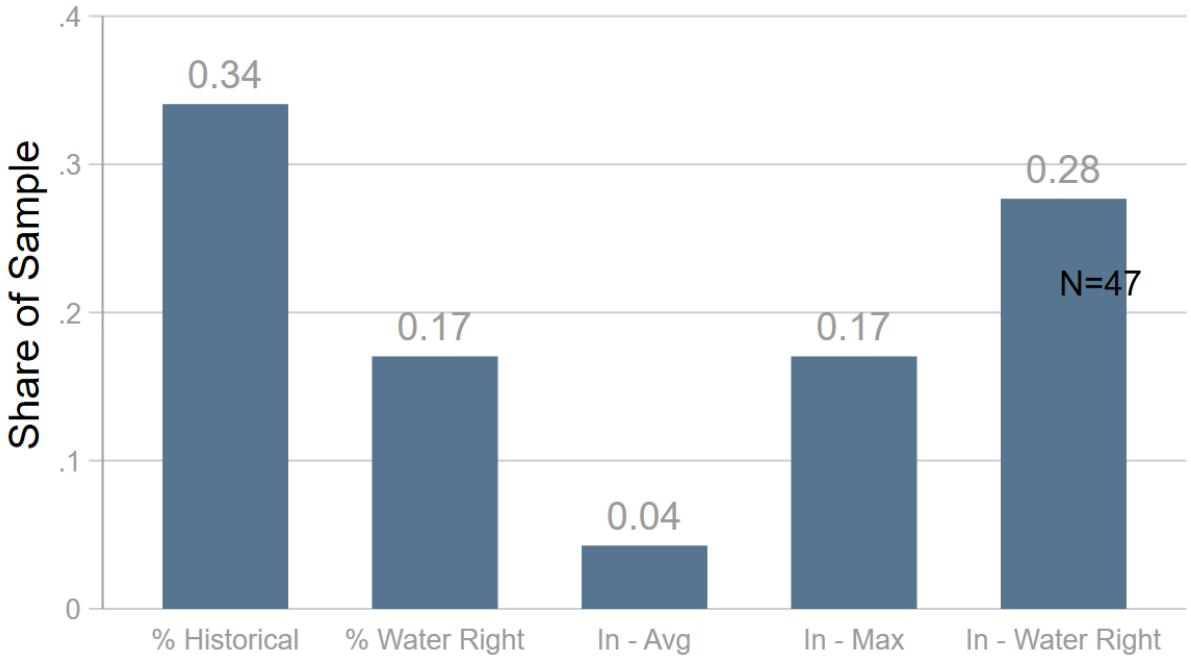
Method of Assigning Allocations that was Ranked 1st



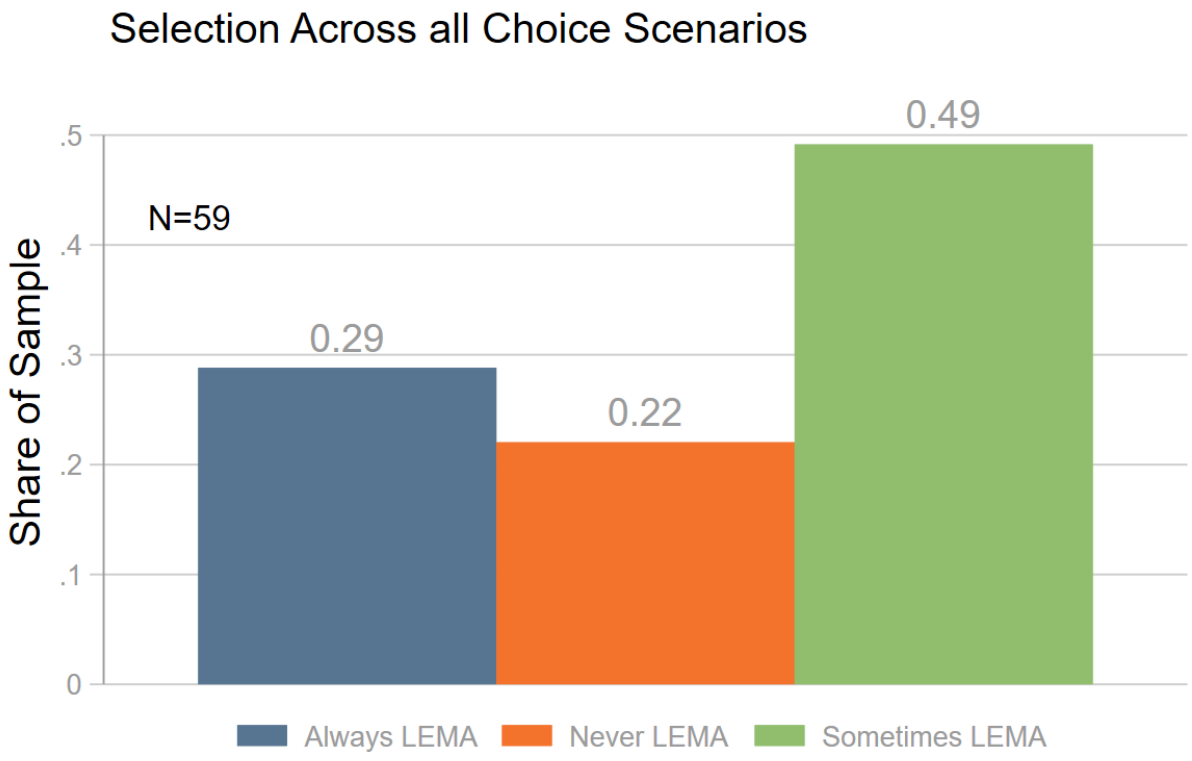
Method of Assigning Allocations that was Ranked 2nd

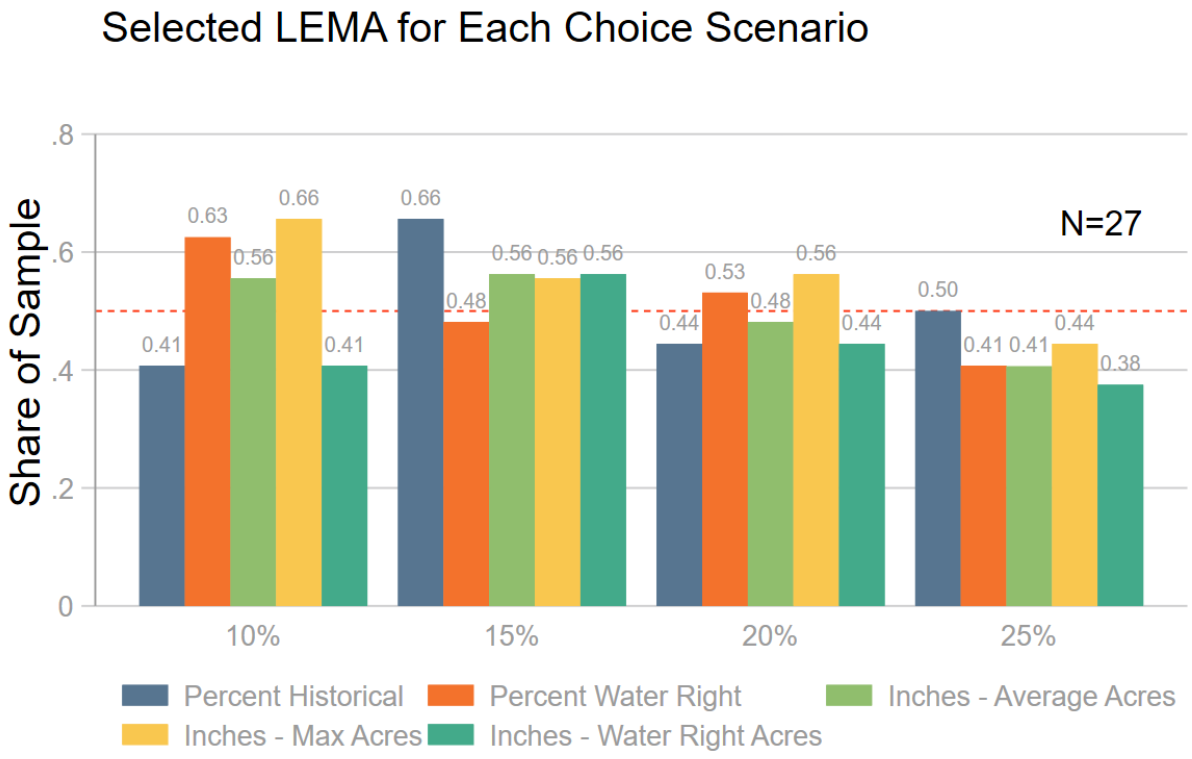


Method of Assigning Allocations that was Ranked Worst

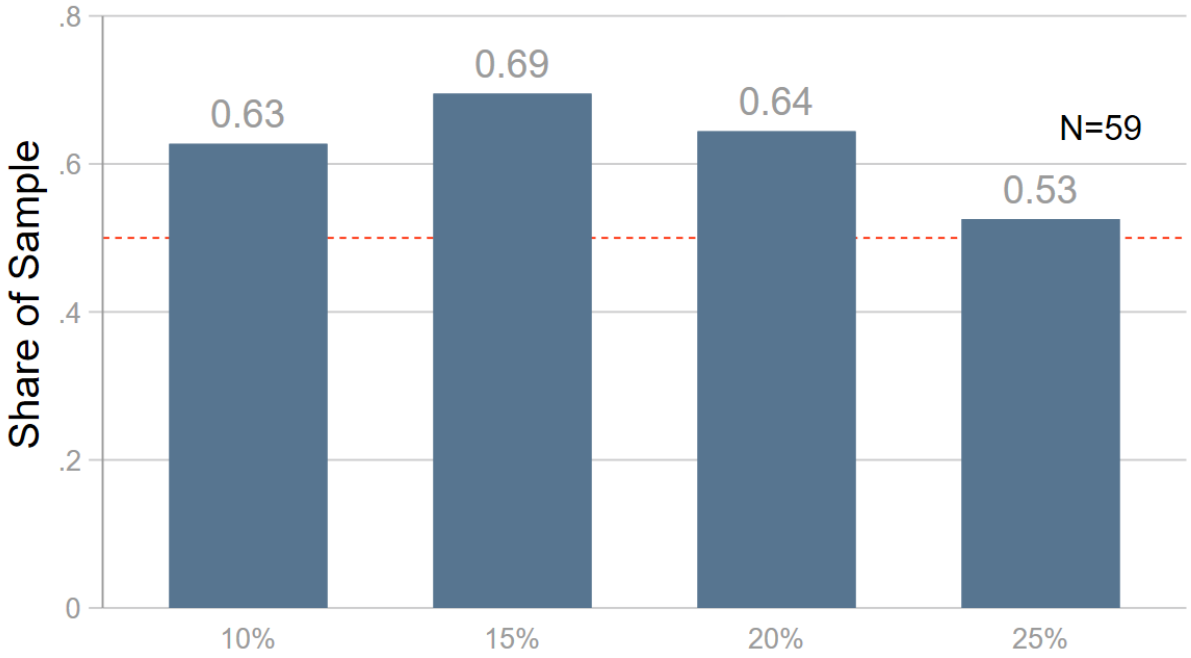


Repondent was mostly either owner-operator or tentant (i.e., not primarily a landlord)

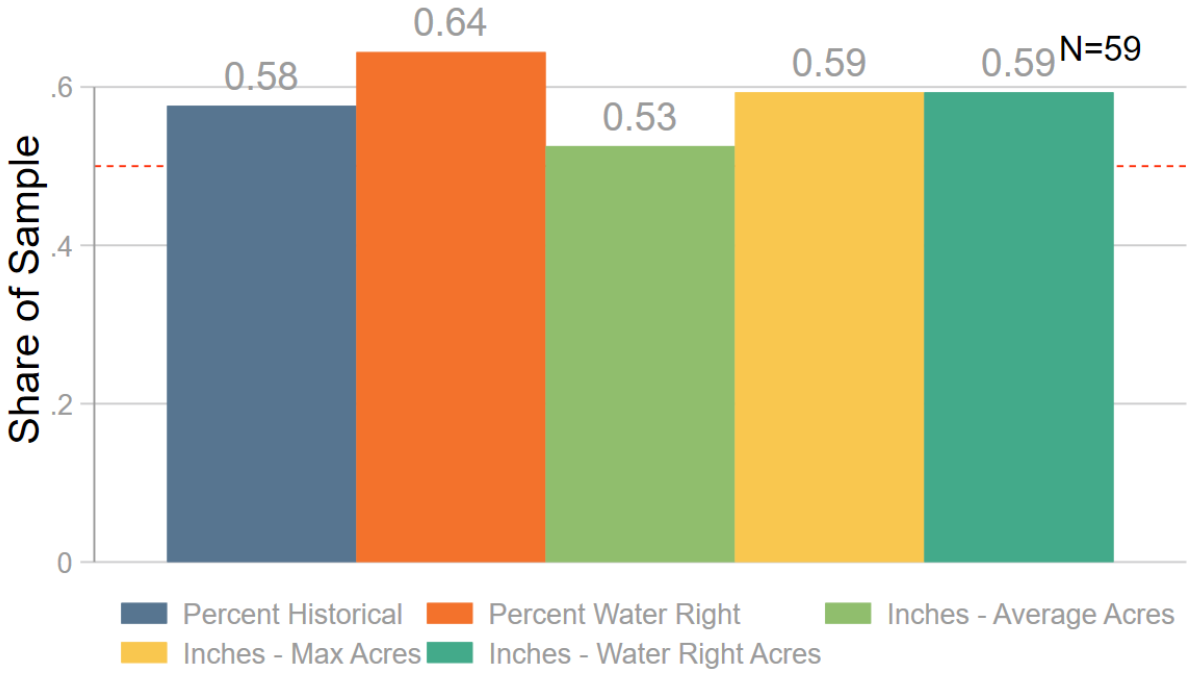




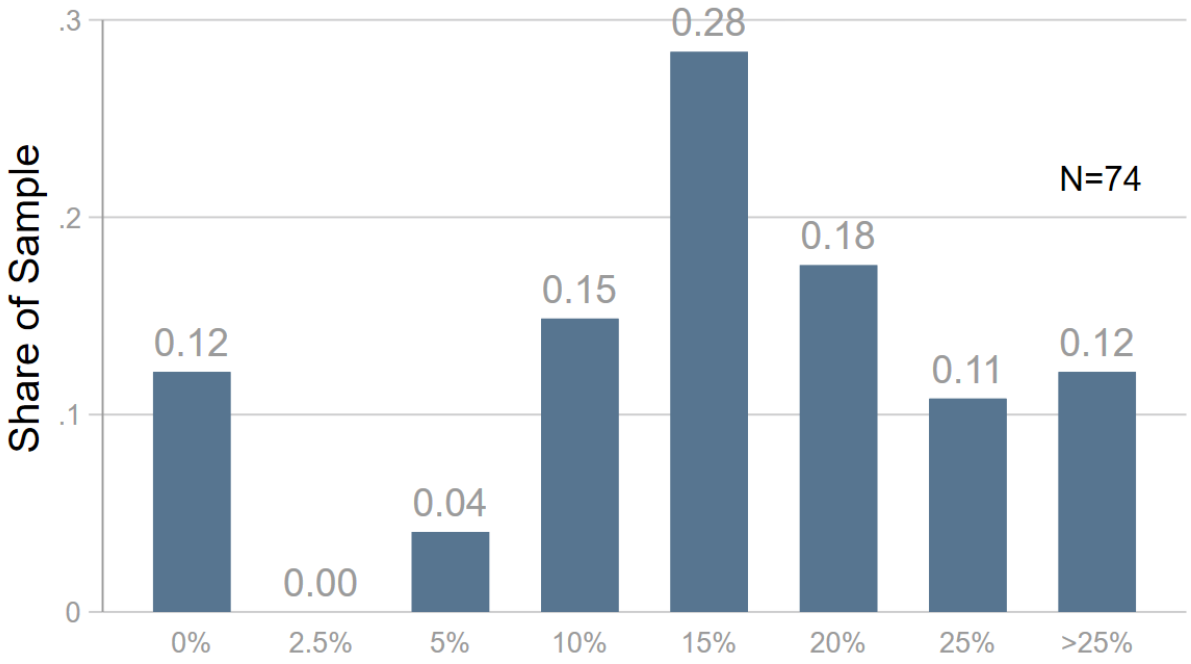
Selected LEMA for each Reduction Goal



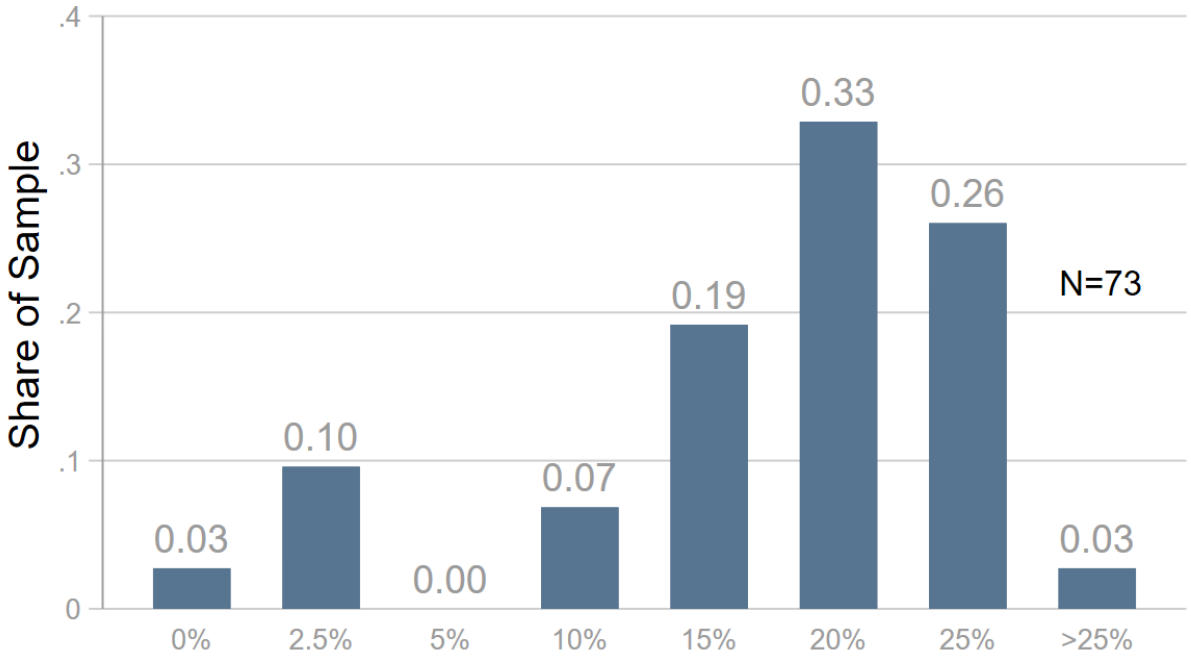
Selected LEMA for each Method of Assigning Allocations



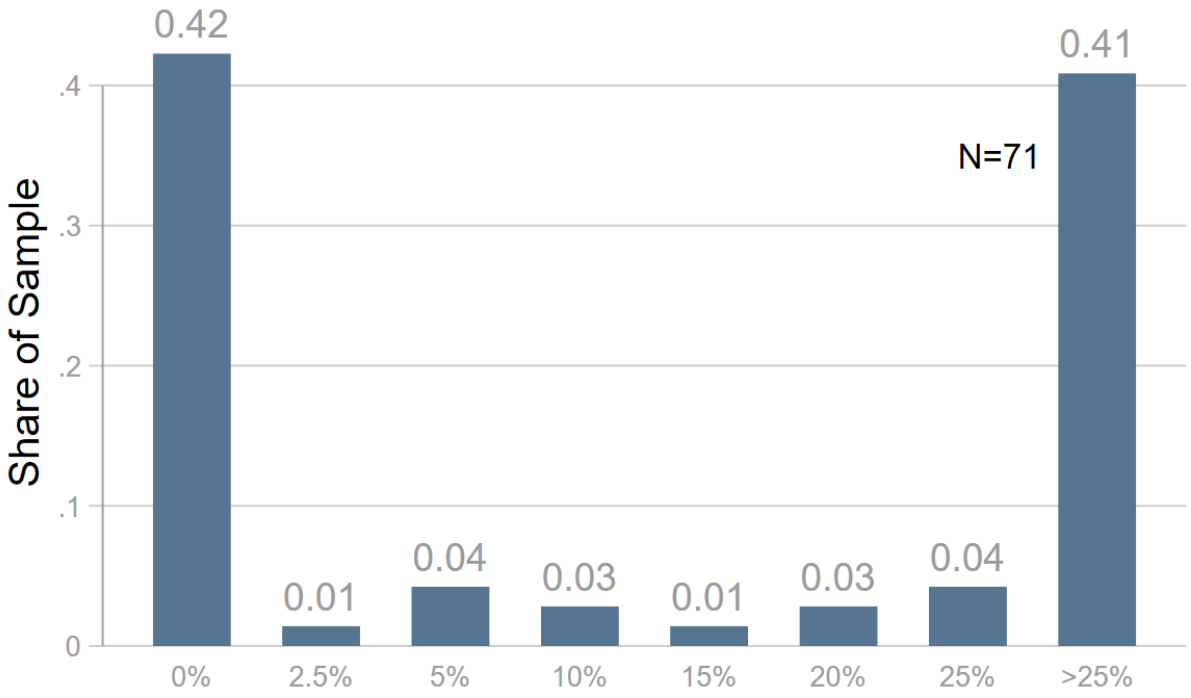
Reduction Goal that was Ranked 1st



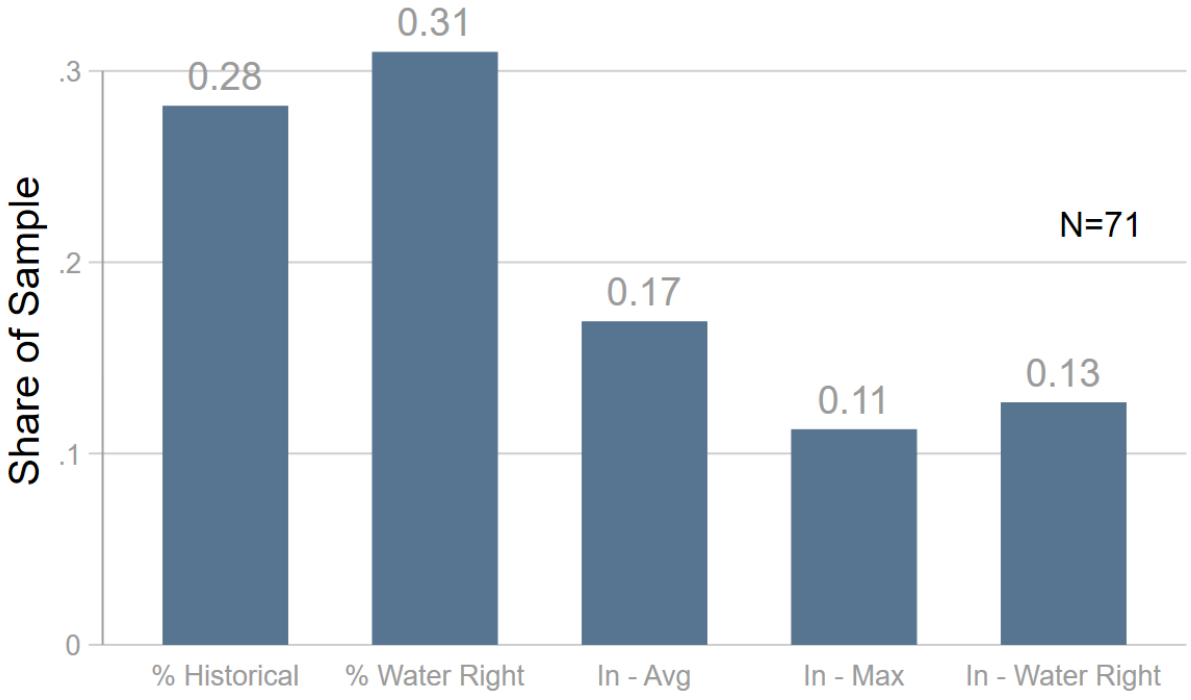
Reduction Goal that was Ranked 2nd



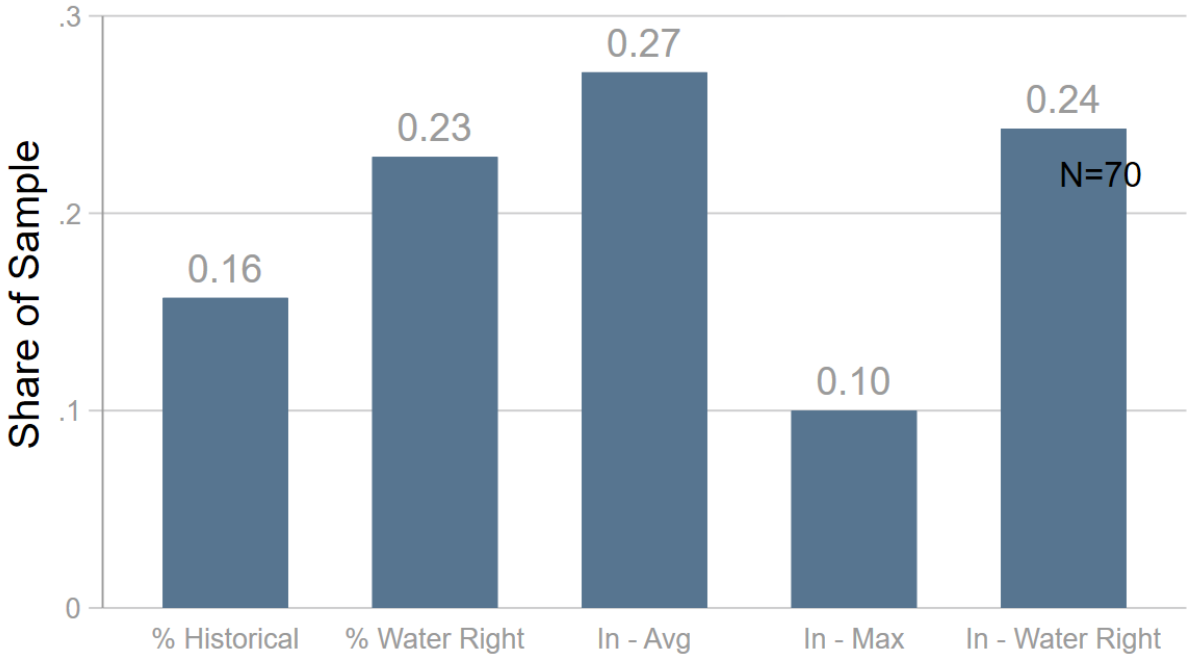
Reduction Goal that was Ranked Worst



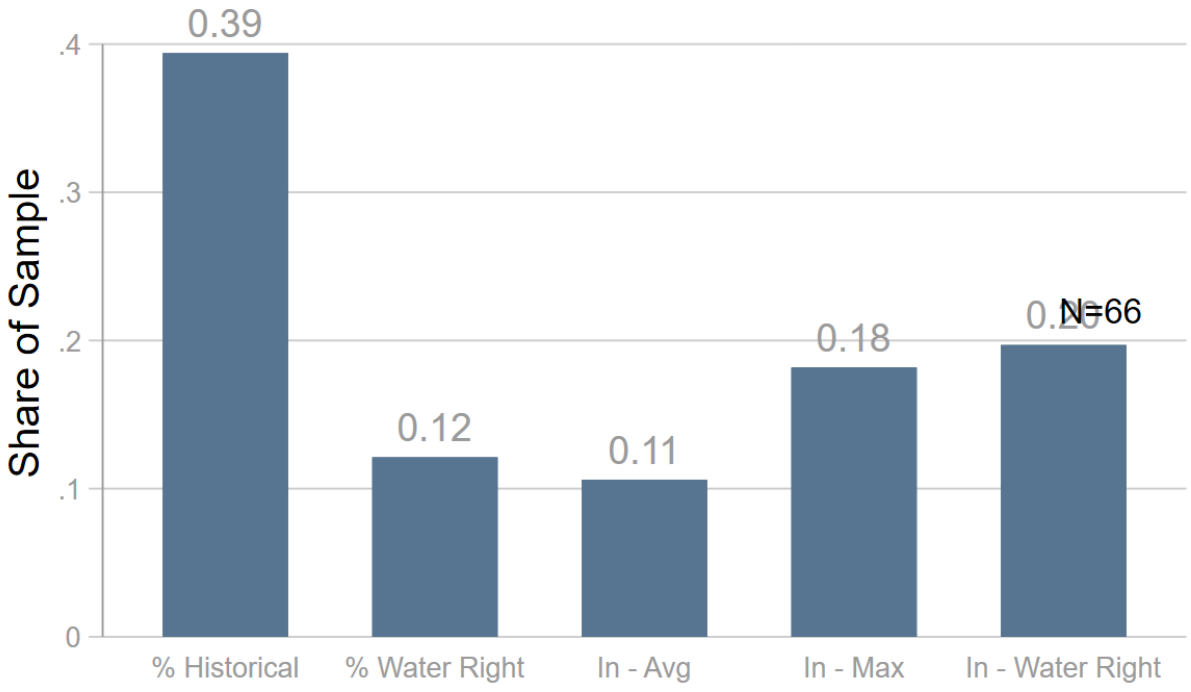
Method of Assigning Allocations that was Ranked 1st



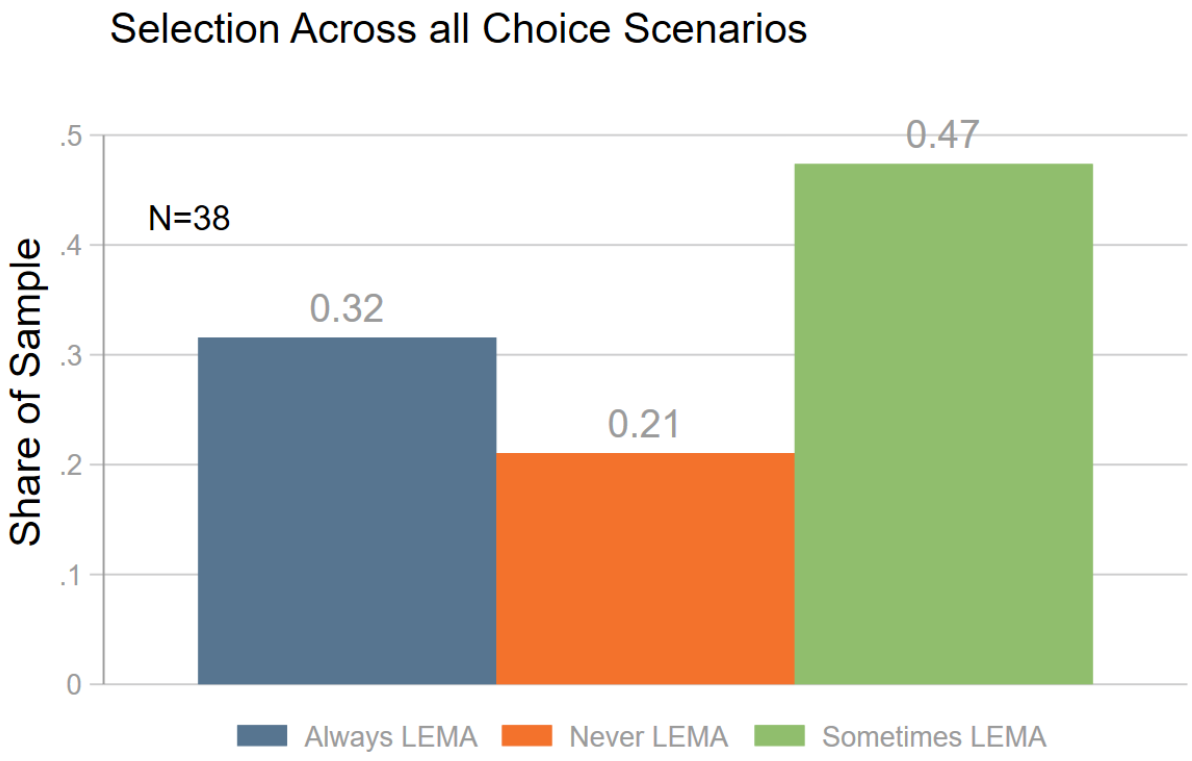
Method of Assigning Allocations that was Ranked 2nd

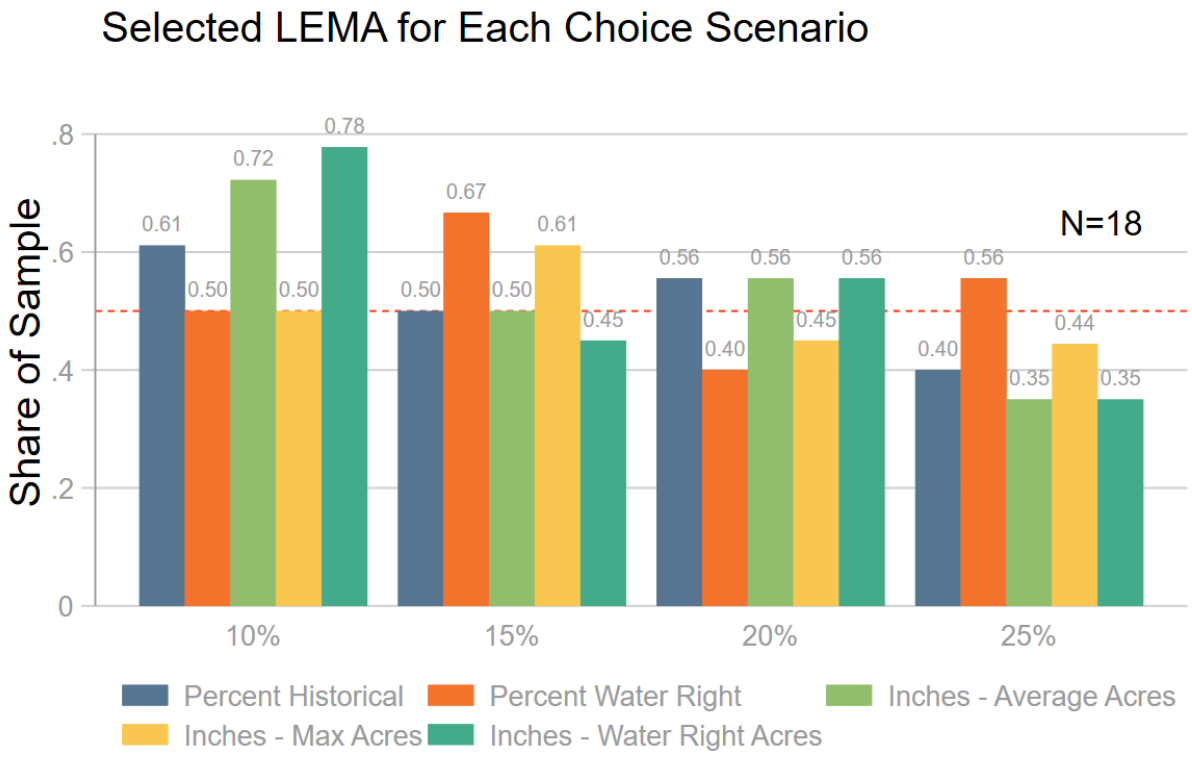


Method of Assigning Allocations that was Ranked Worst

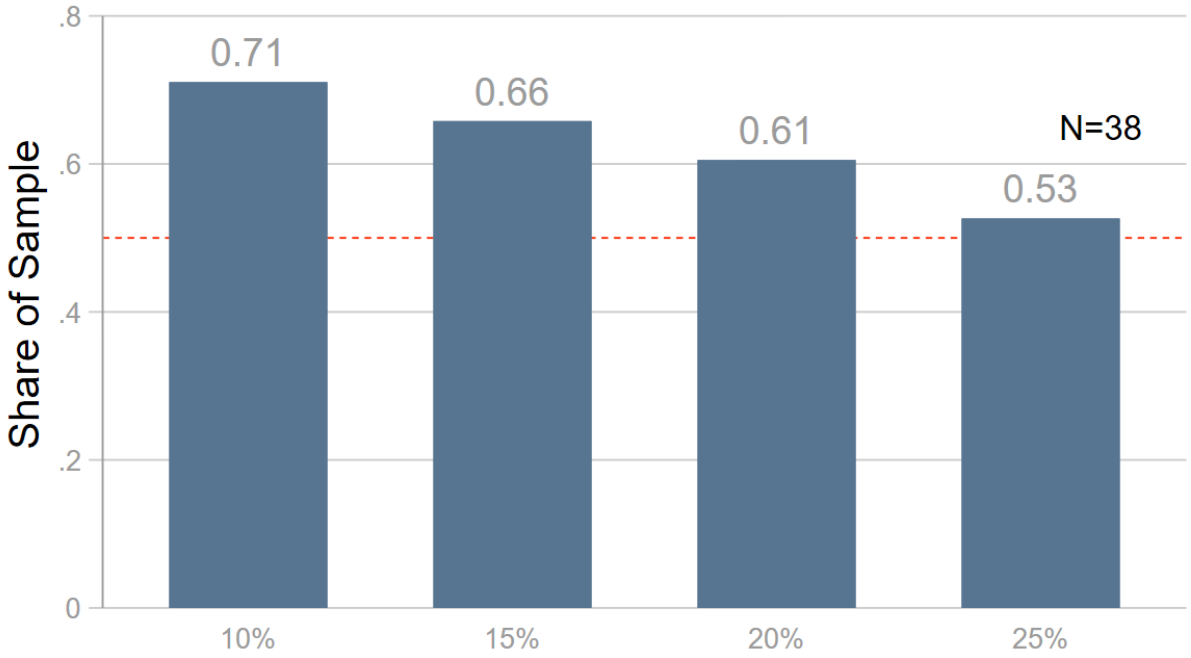


Respondent was mostly a landlord

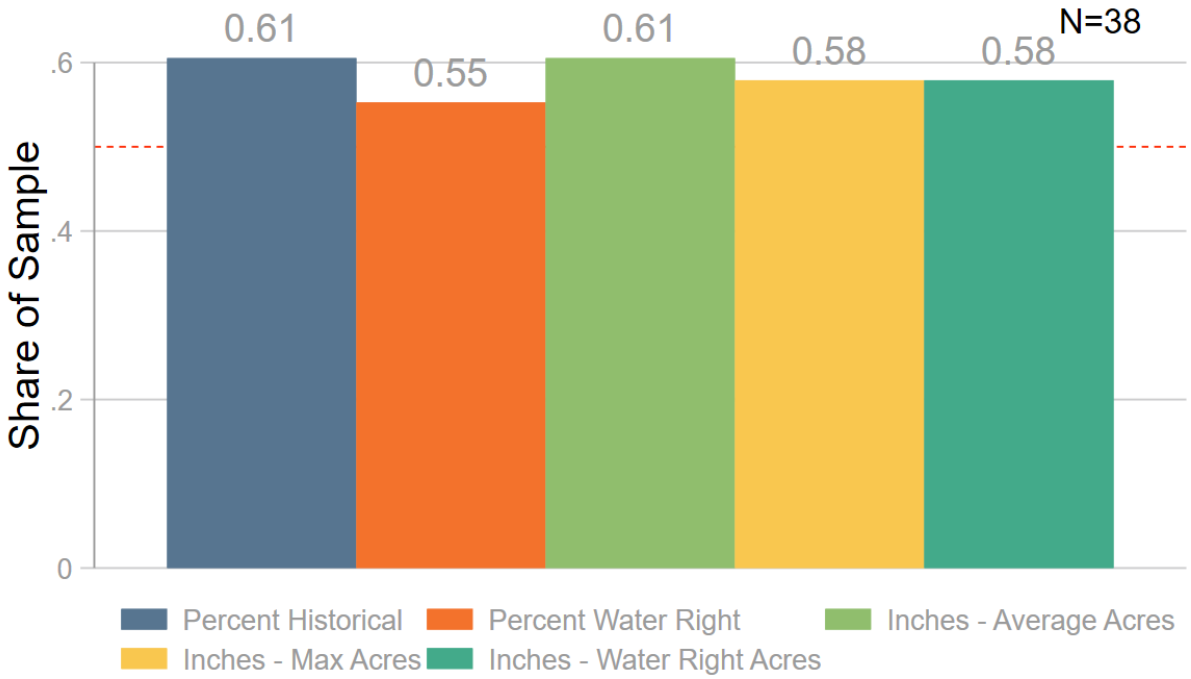




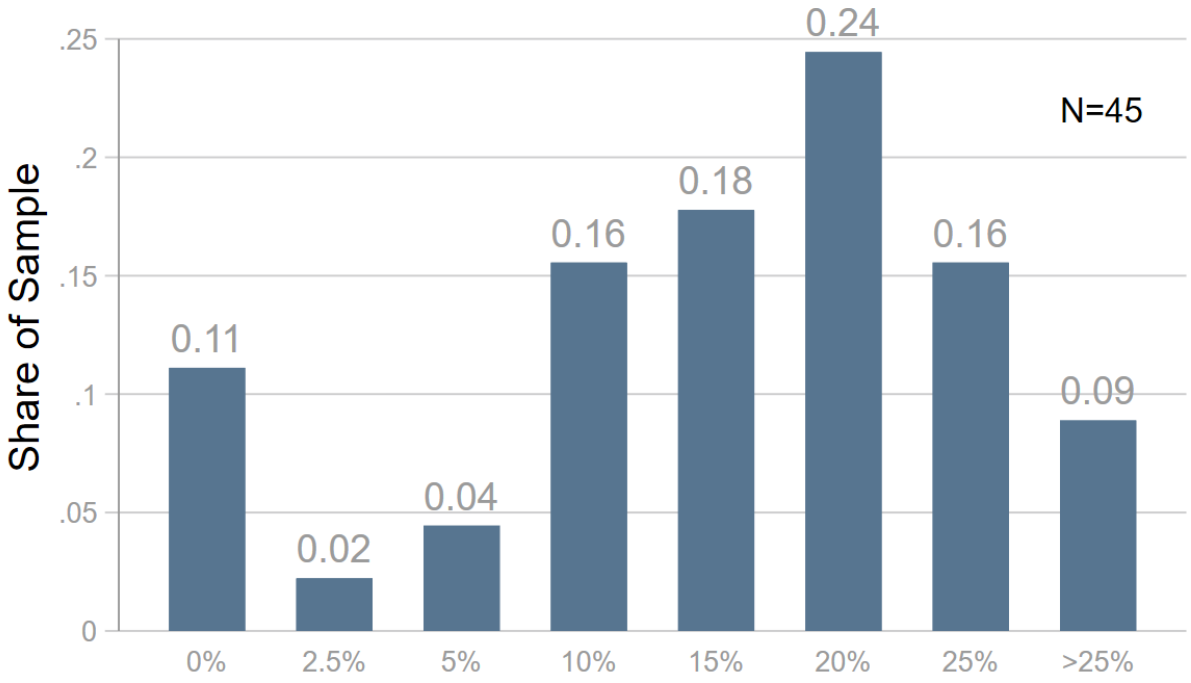
Selected LEMA for each Reduction Goal



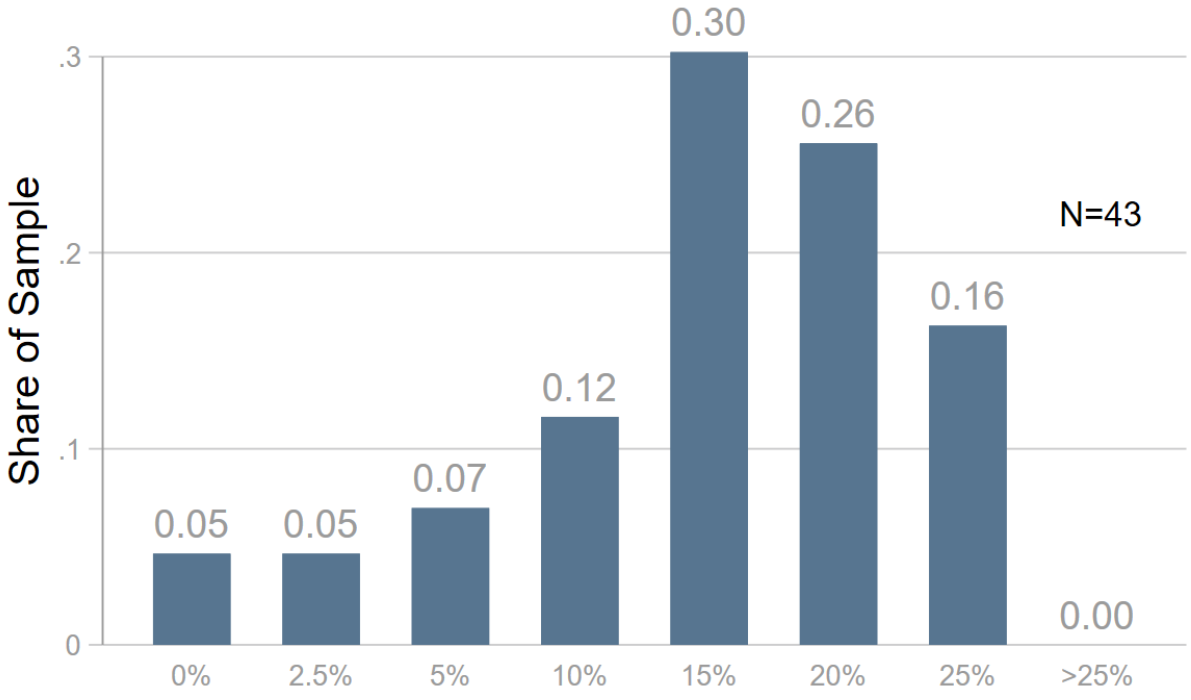
Selected LEMA for each Method of Assigning Allocations



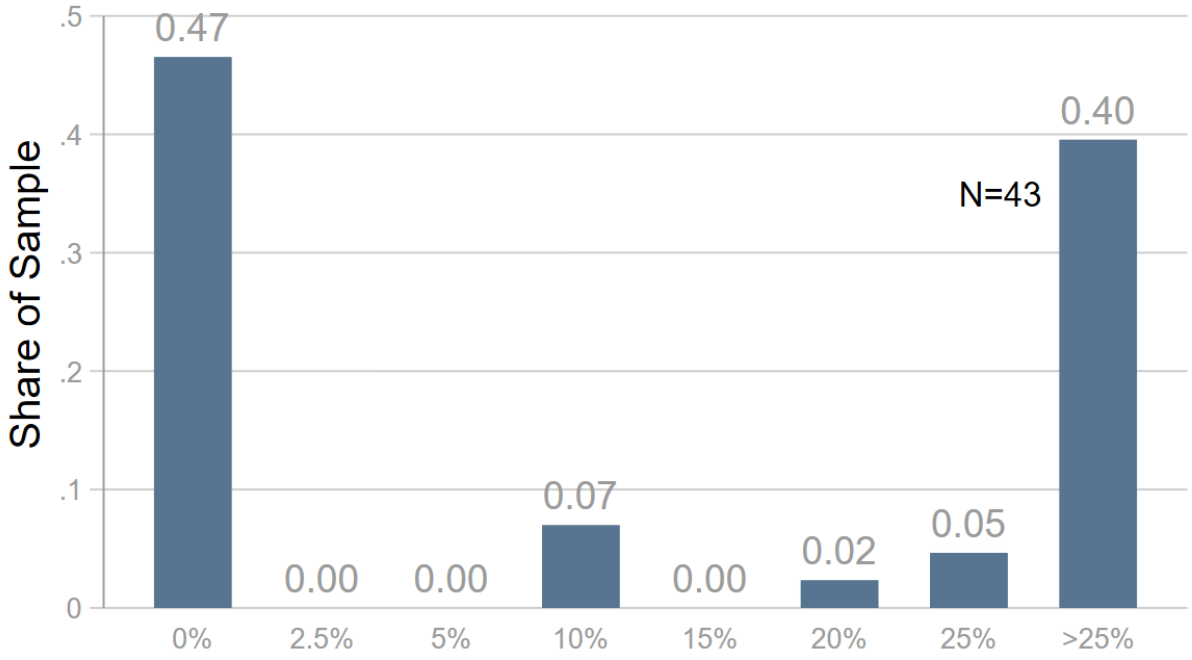
Reduction Goal that was Ranked 1st



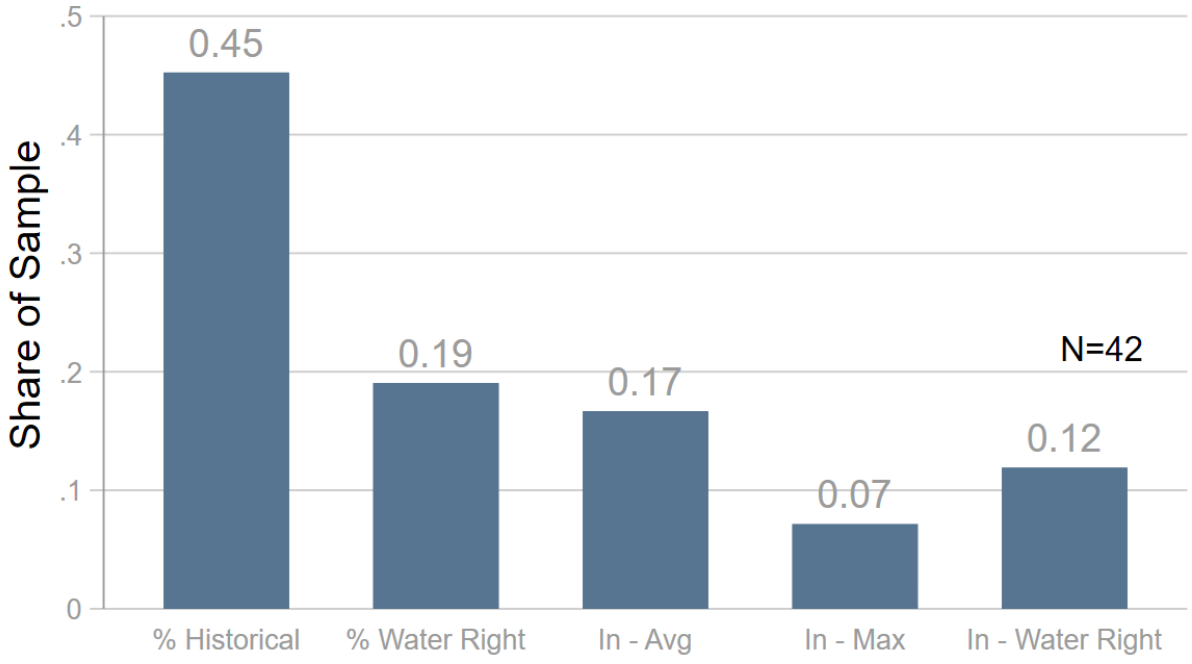
Reduction Goal that was Ranked 2nd

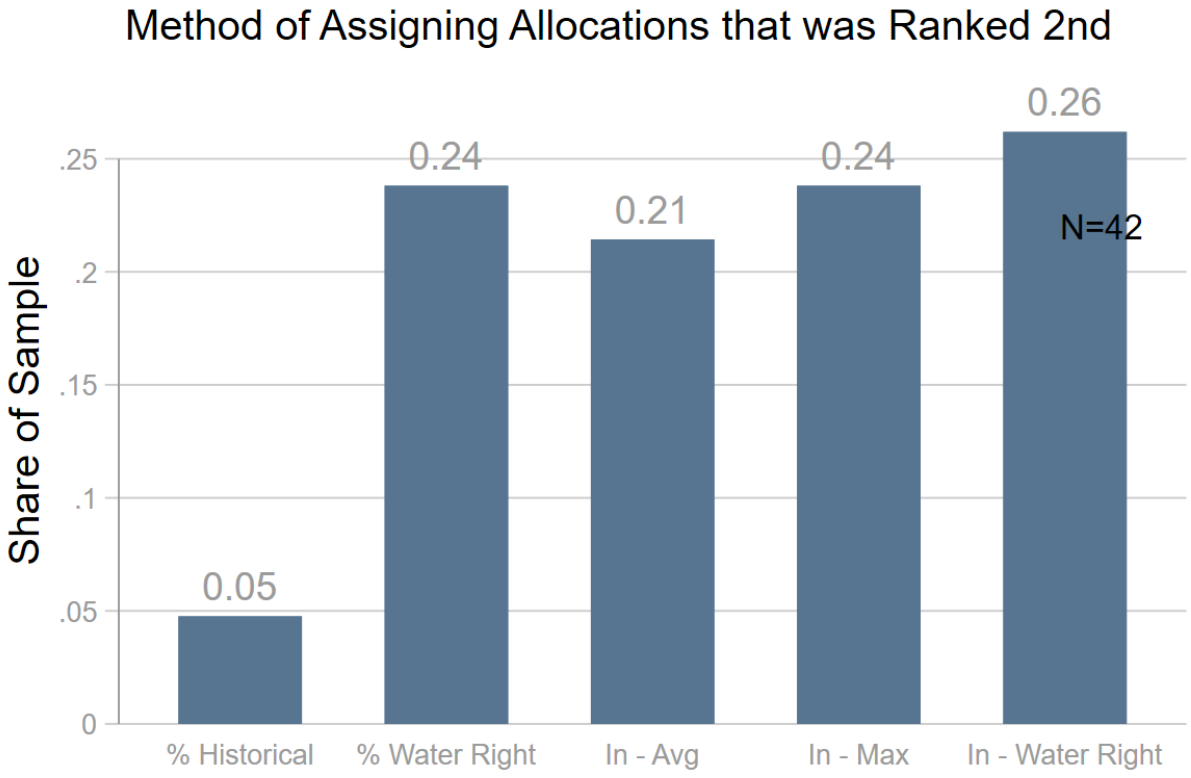


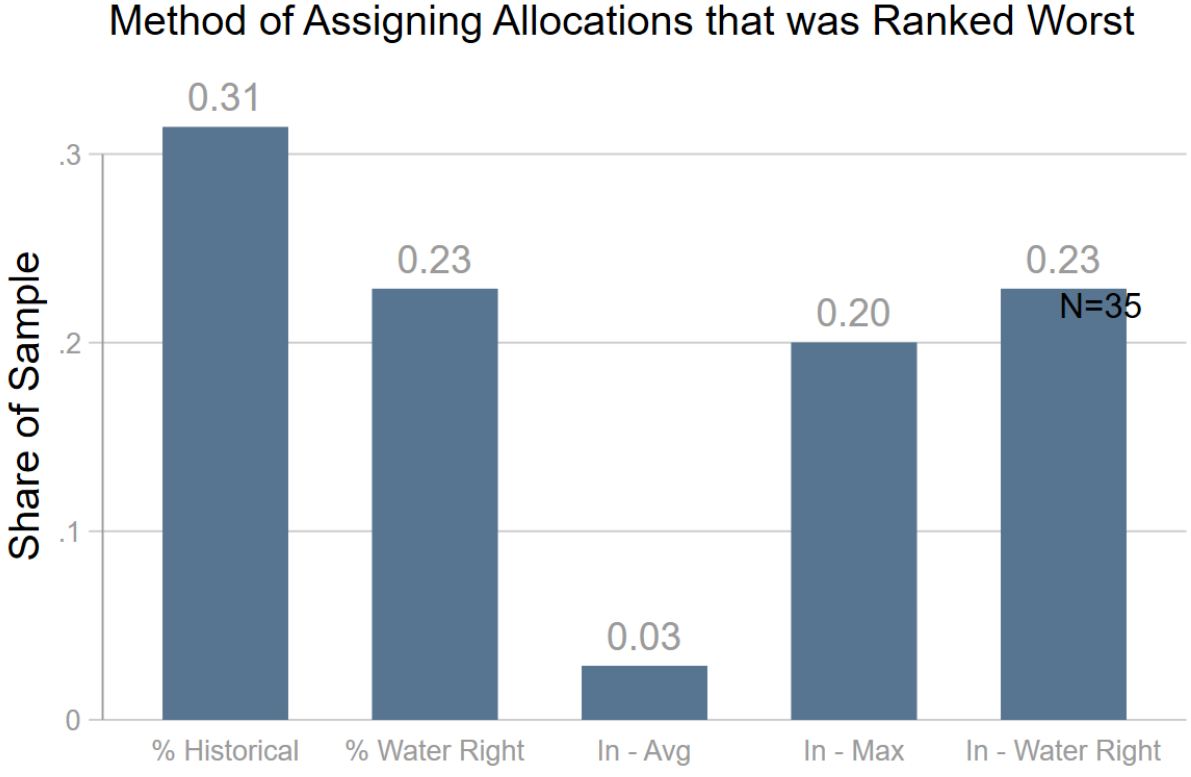
Reduction Goal that was Ranked Worst



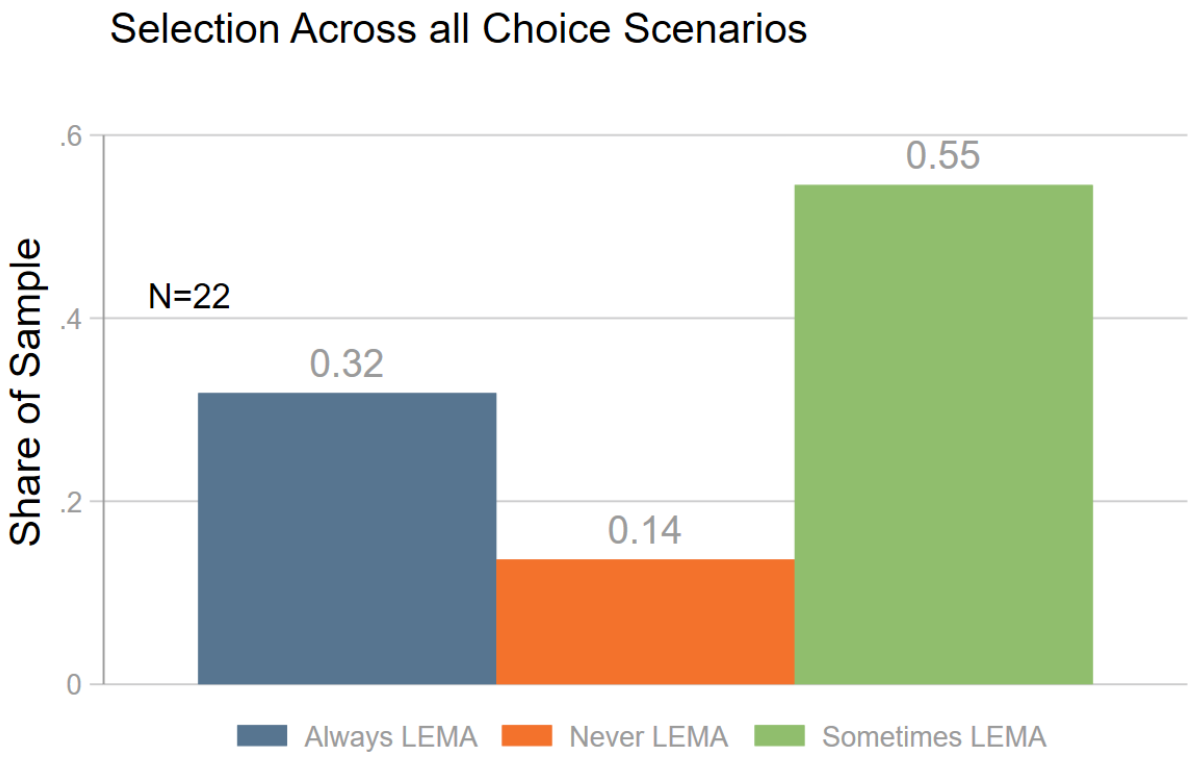
Method of Assigning Allocations that was Ranked 1st

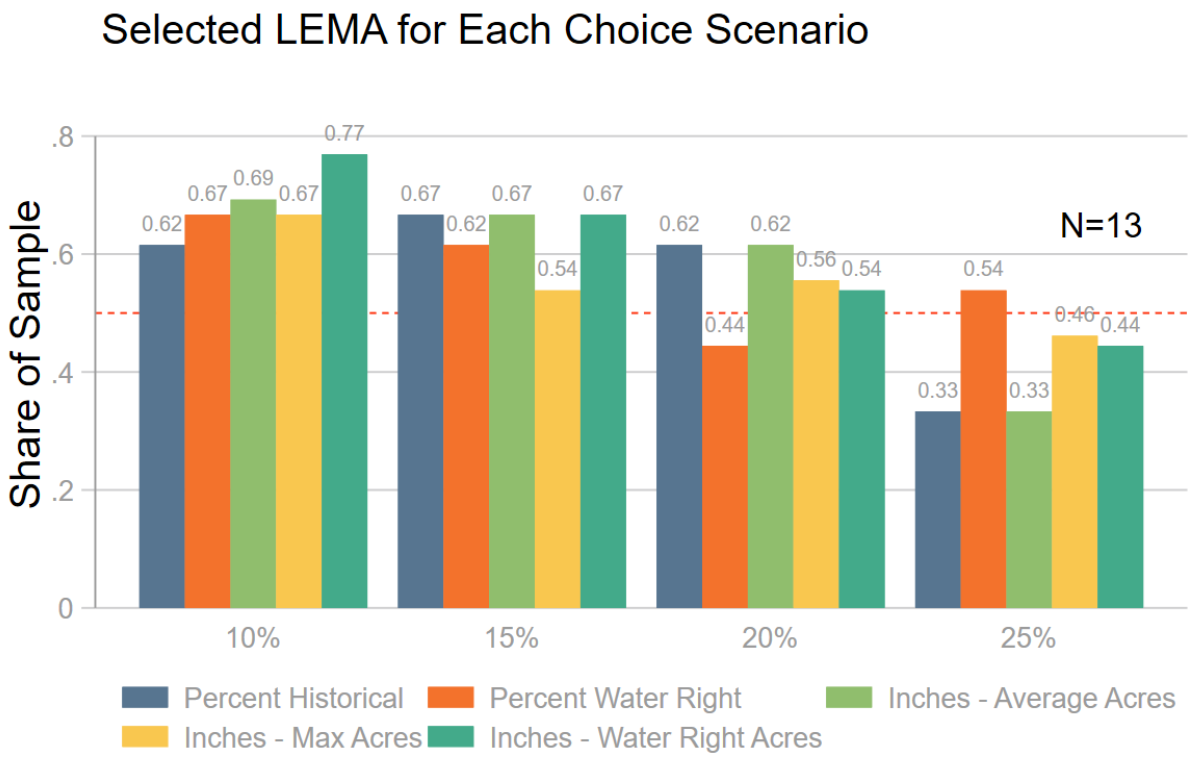



Method of Assigning Allocations that was Ranked 2nd
Share of Sample
0
.05
.1
.15
.2
.25
0.05
0.24
0.21
0.24
0.26
N=42
% Historical
% Water Right
In - Avg
In - Max
In - Water Right

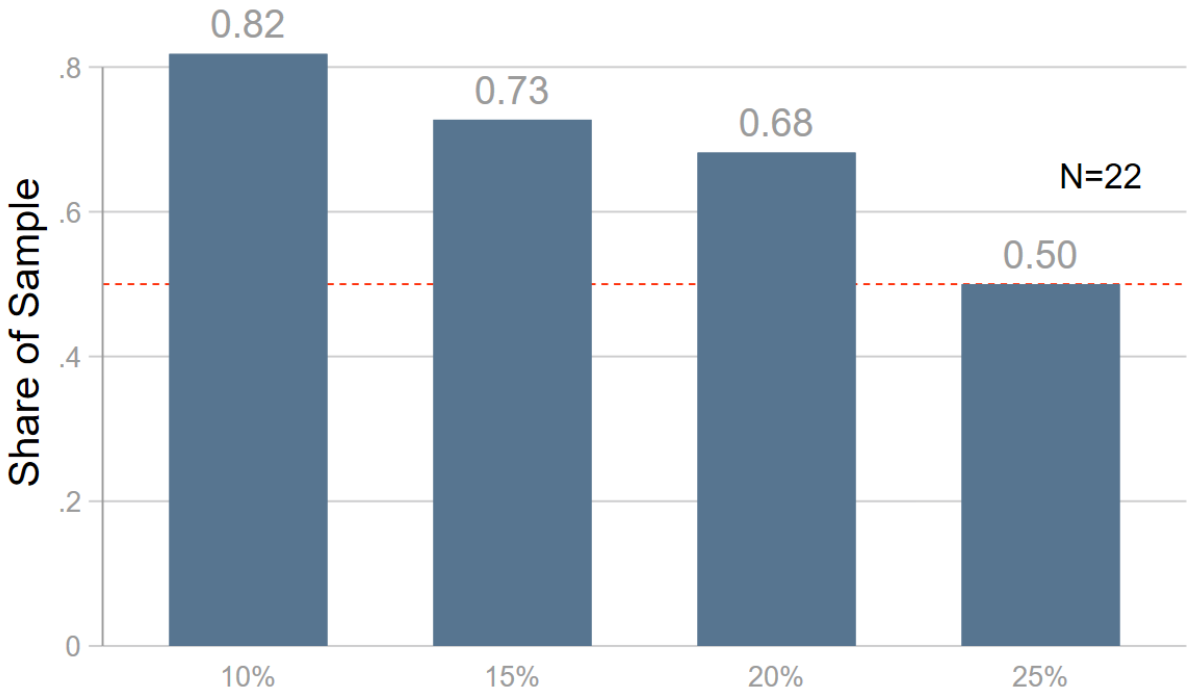

Method of Assigning Allocations that was Ranked Worst
Share of Sample
0
.1
.2
.3
0.31
0.23
0.03
0.20
0.23
N=35
% Historical
% Water Right
In - Avg
In - Max
In - Water Right

Respondent was a local landlord

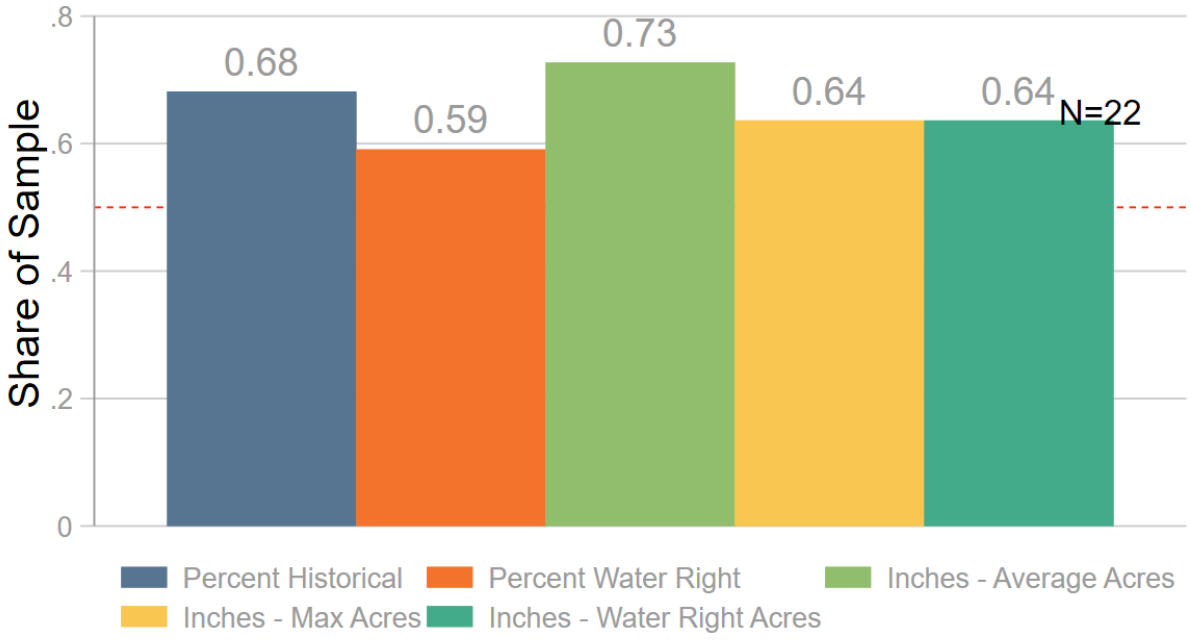




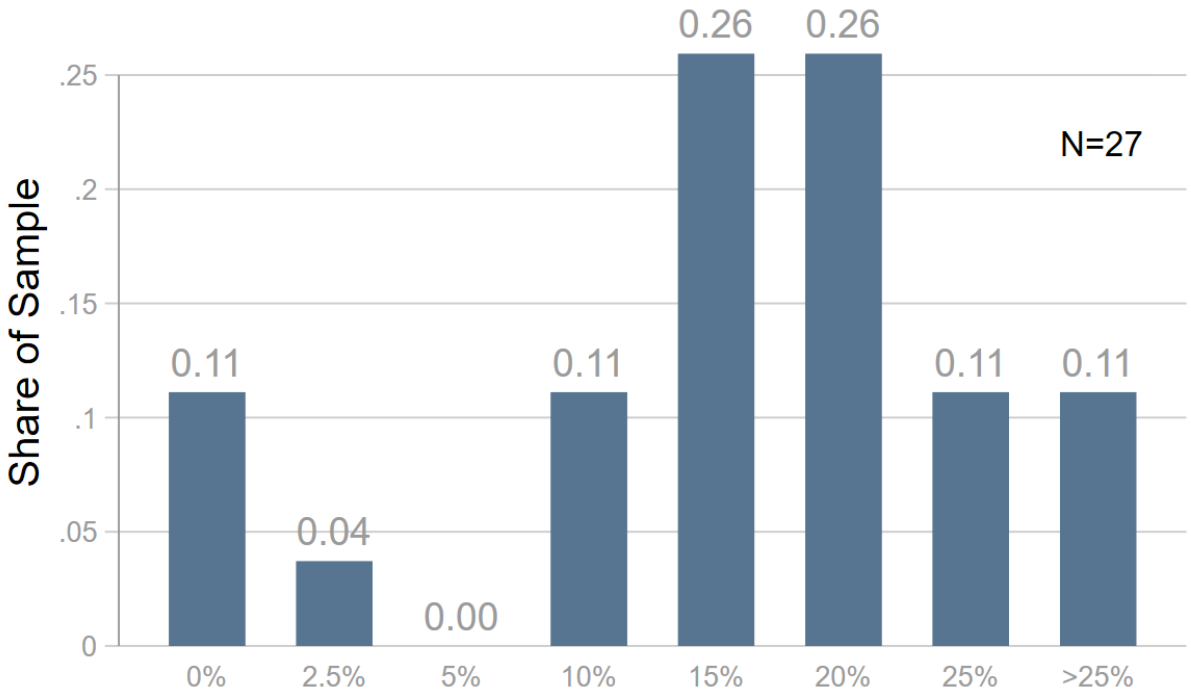
Selected LEMA for each Reduction Goal



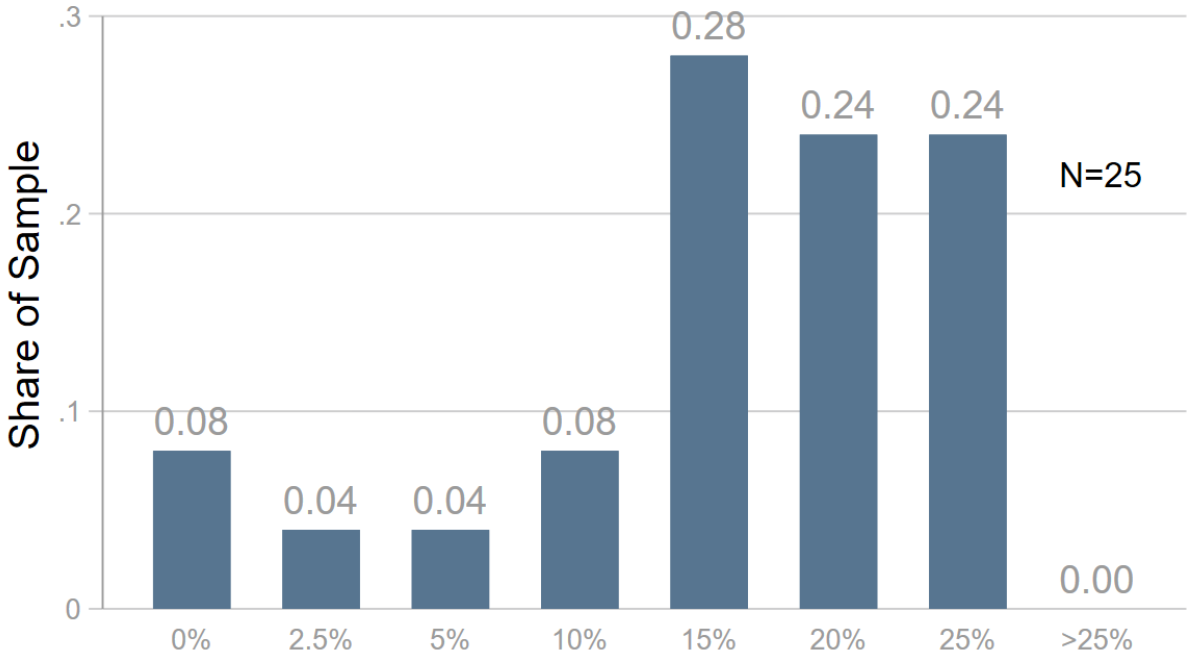
Selected LEMA for each Method of Assigning Allocations



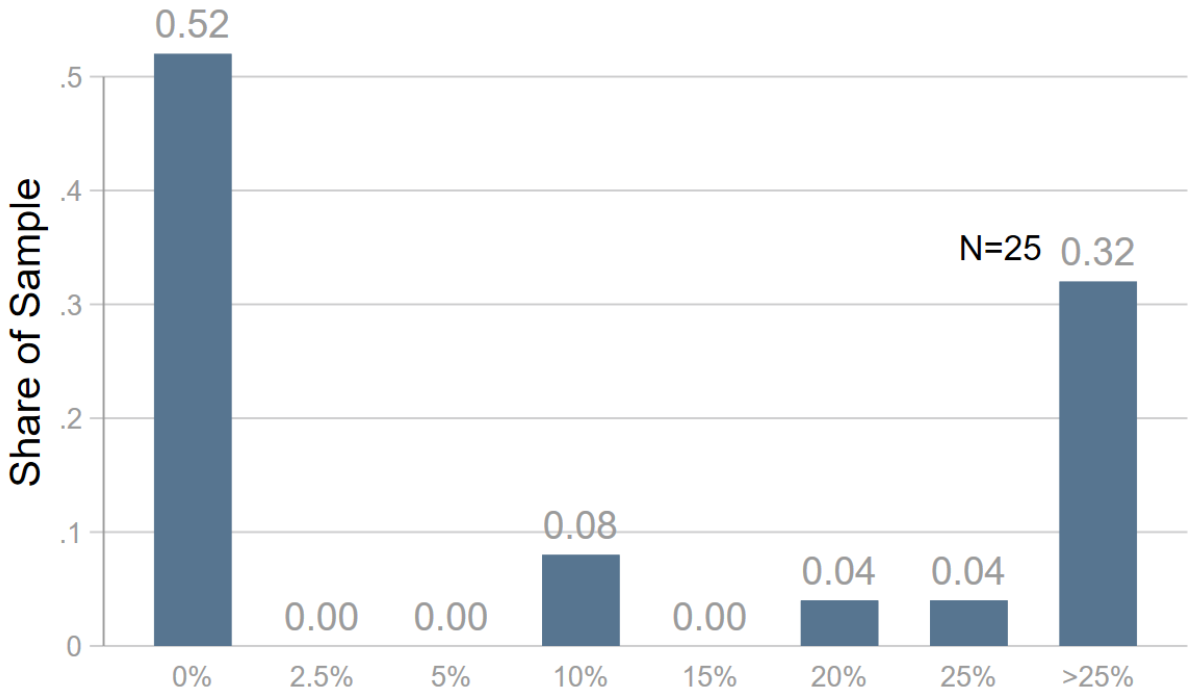
Reduction Goal that was Ranked 1st



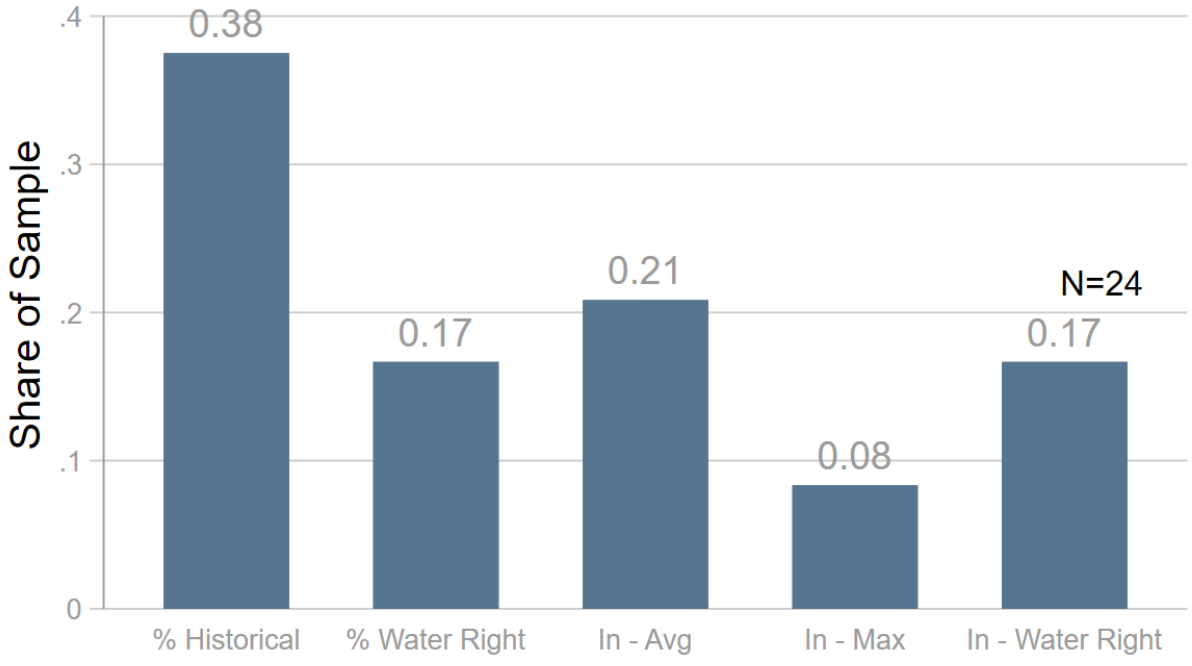
Reduction Goal that was Ranked 2nd



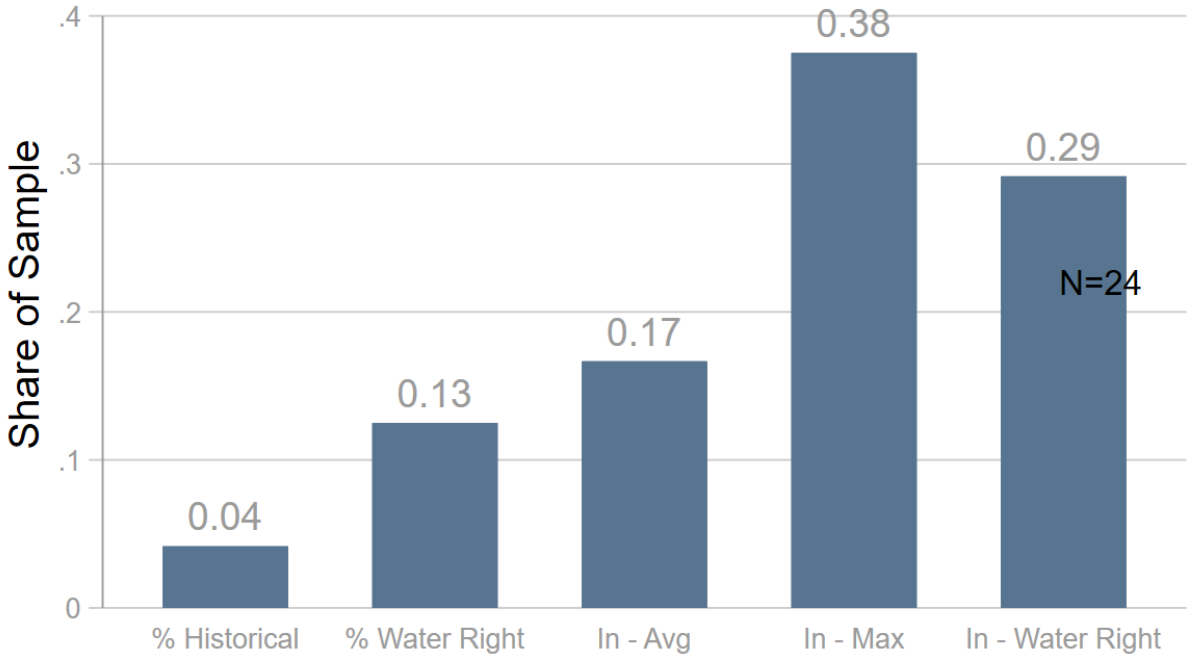
Reduction Goal that was Ranked Worst



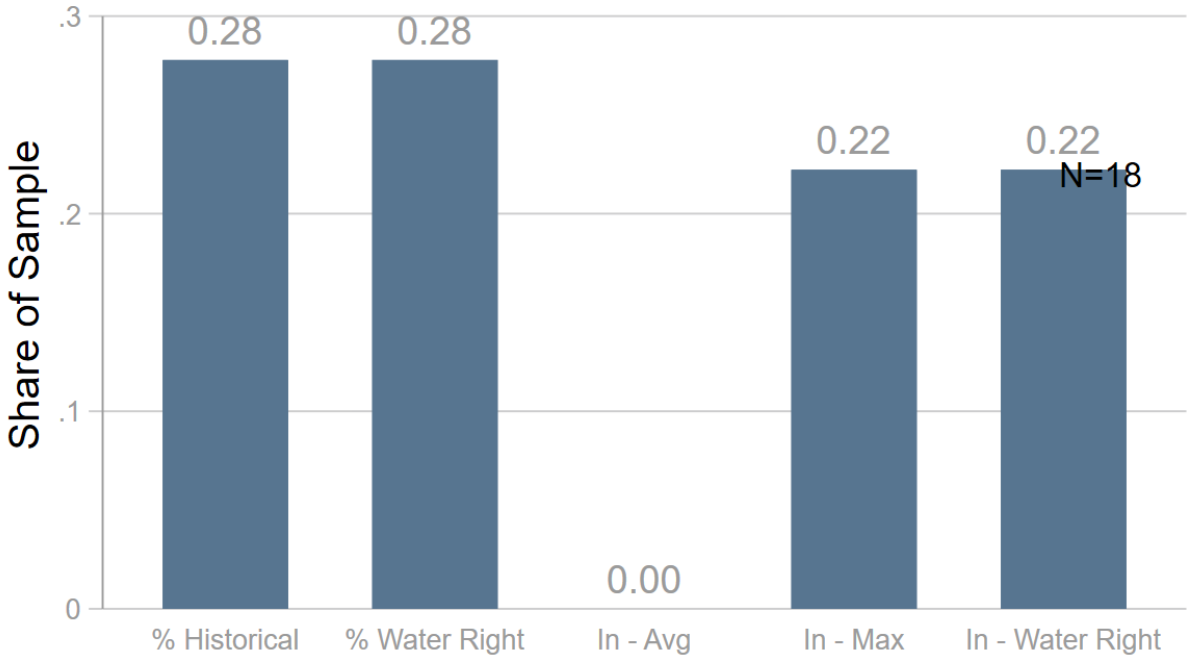
Method of Assigning Allocations that was Ranked 1st



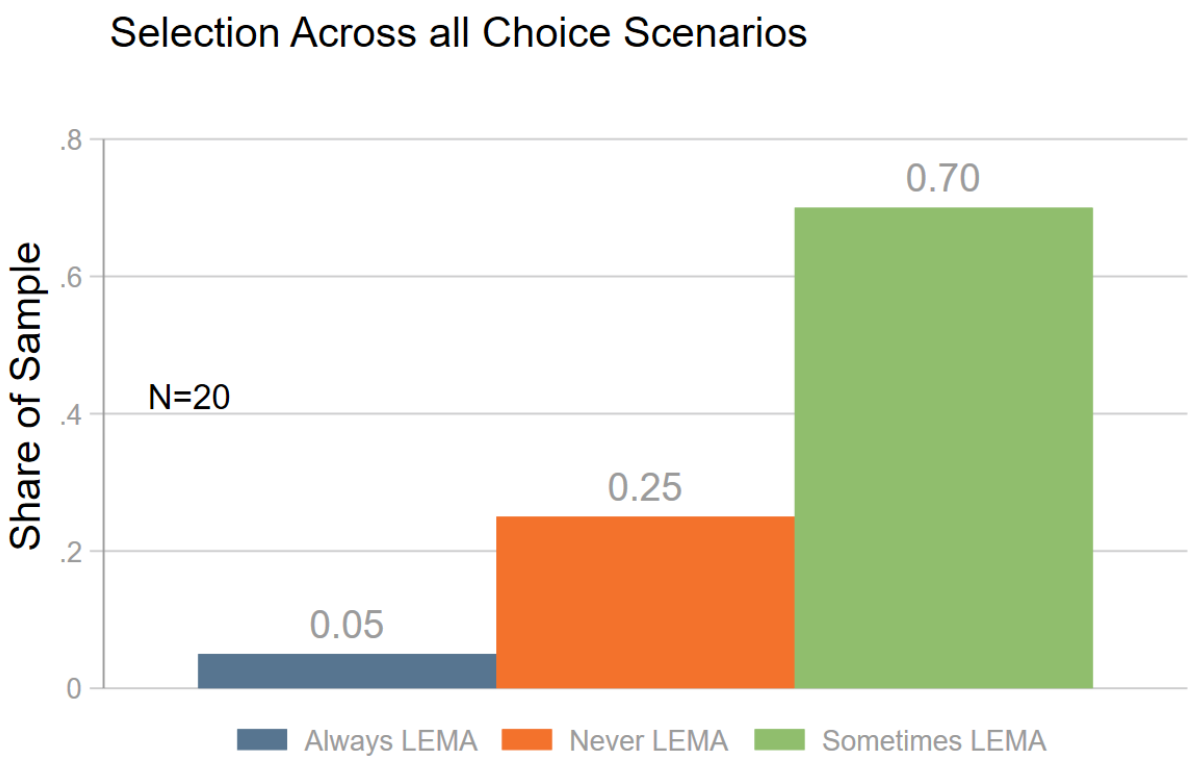
Method of Assigning Allocations that was Ranked 2nd

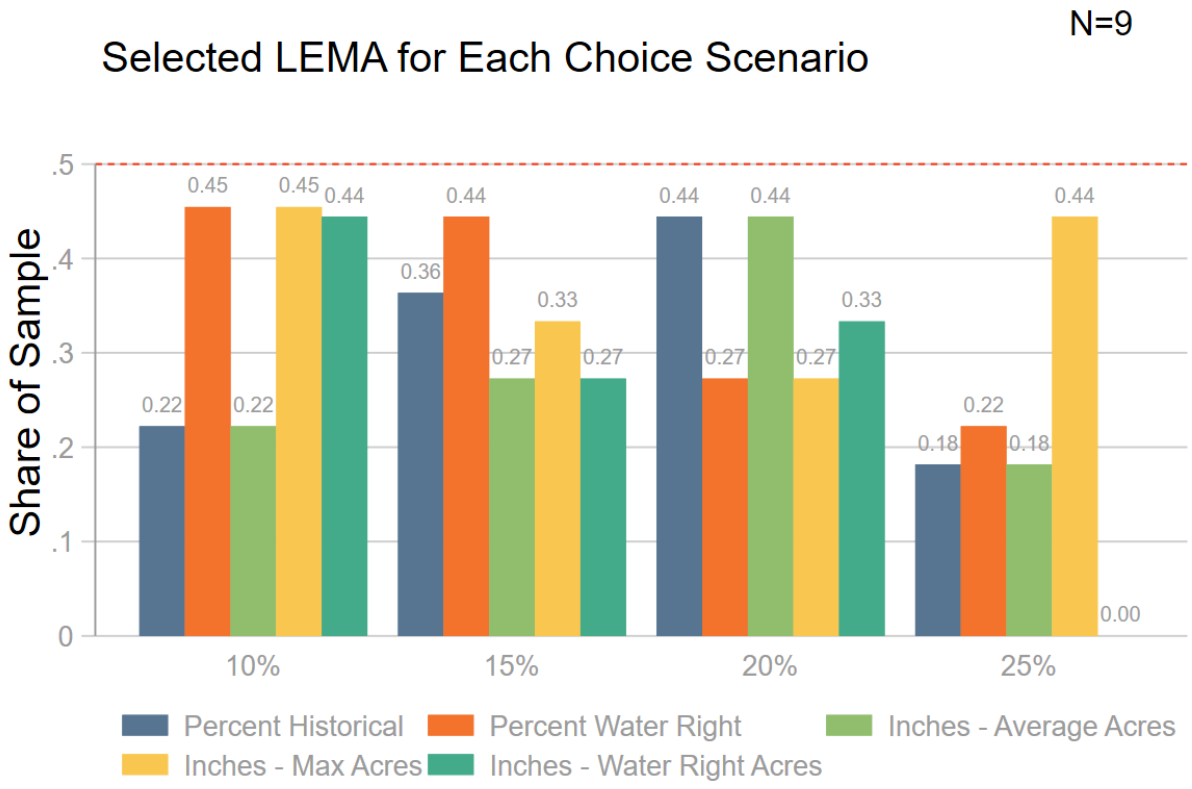


Method of Assigning Allocations that was Ranked Worst

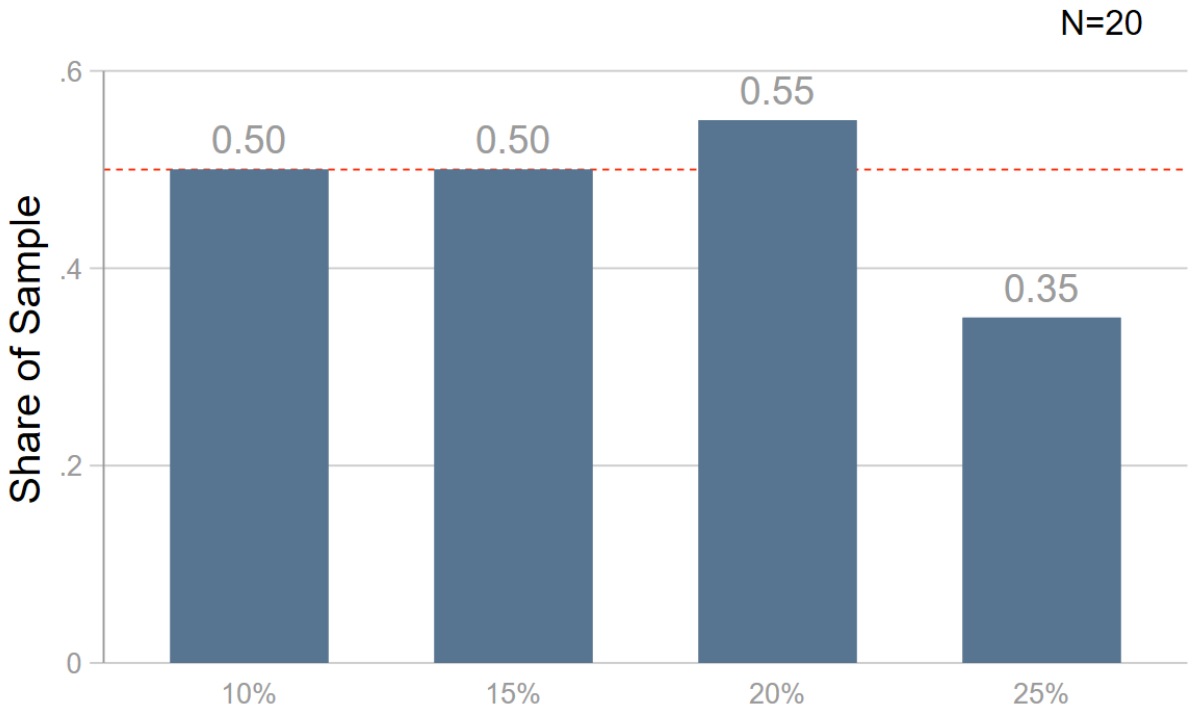


Respondents less than 50 years old

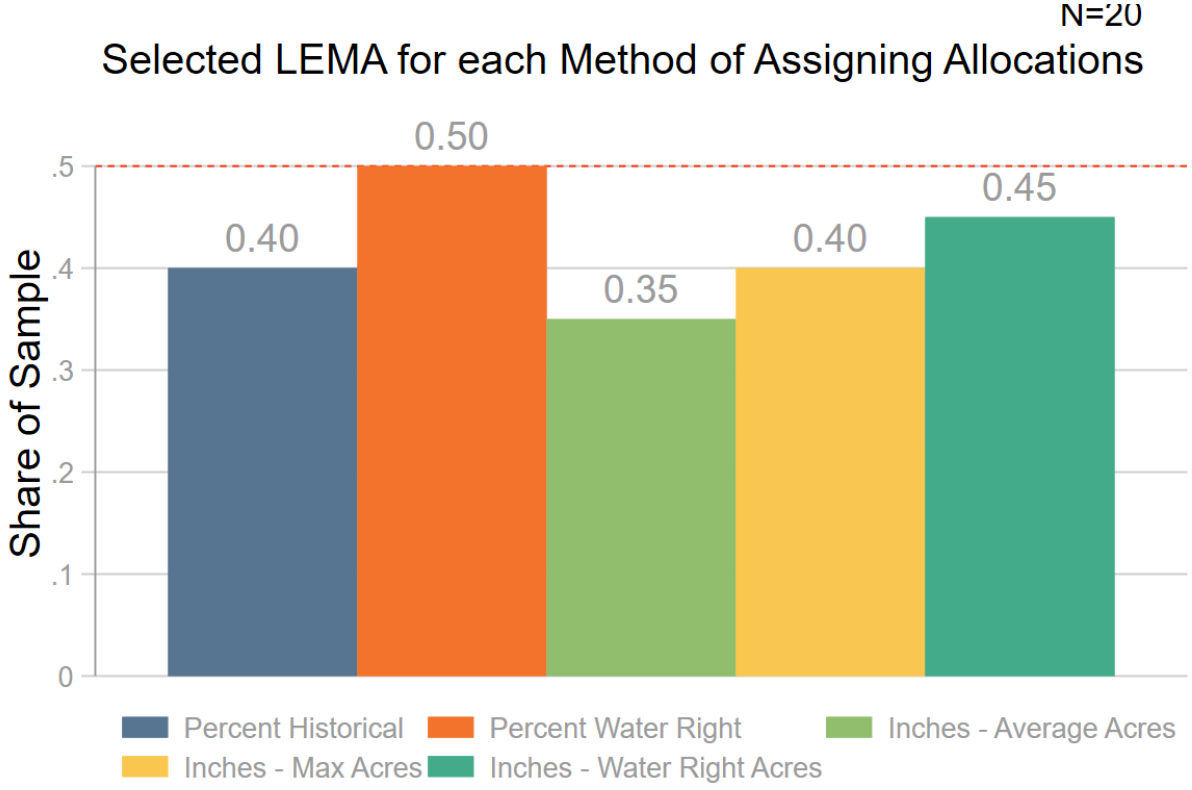




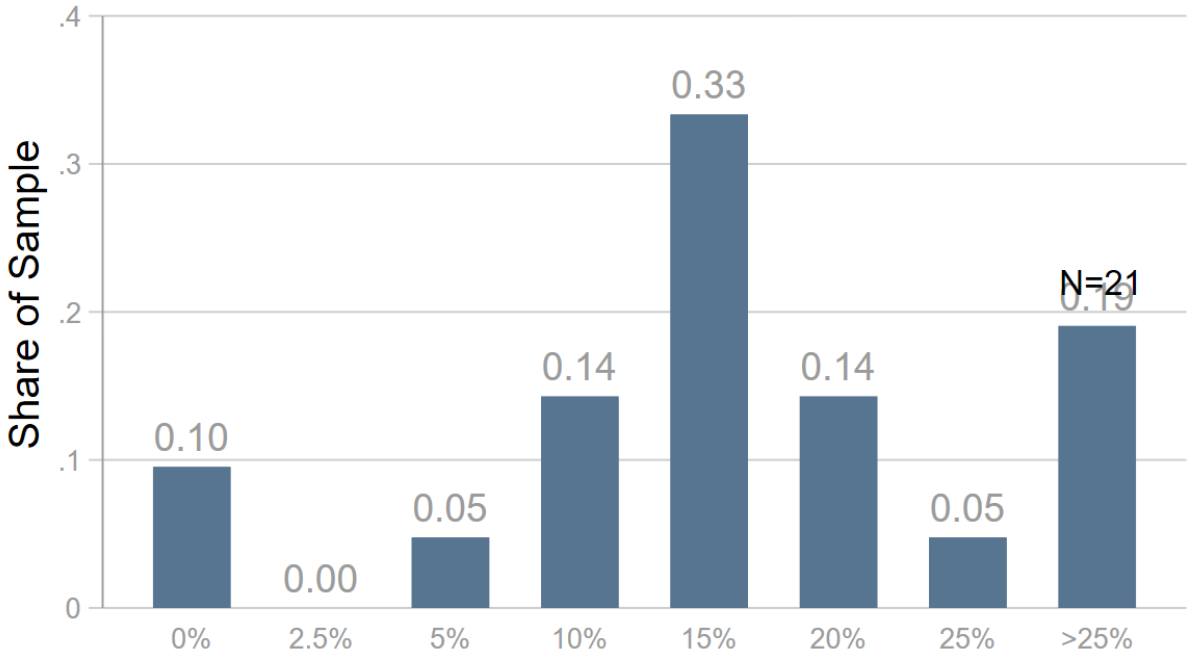
Selected LEMA for each Reduction Goal



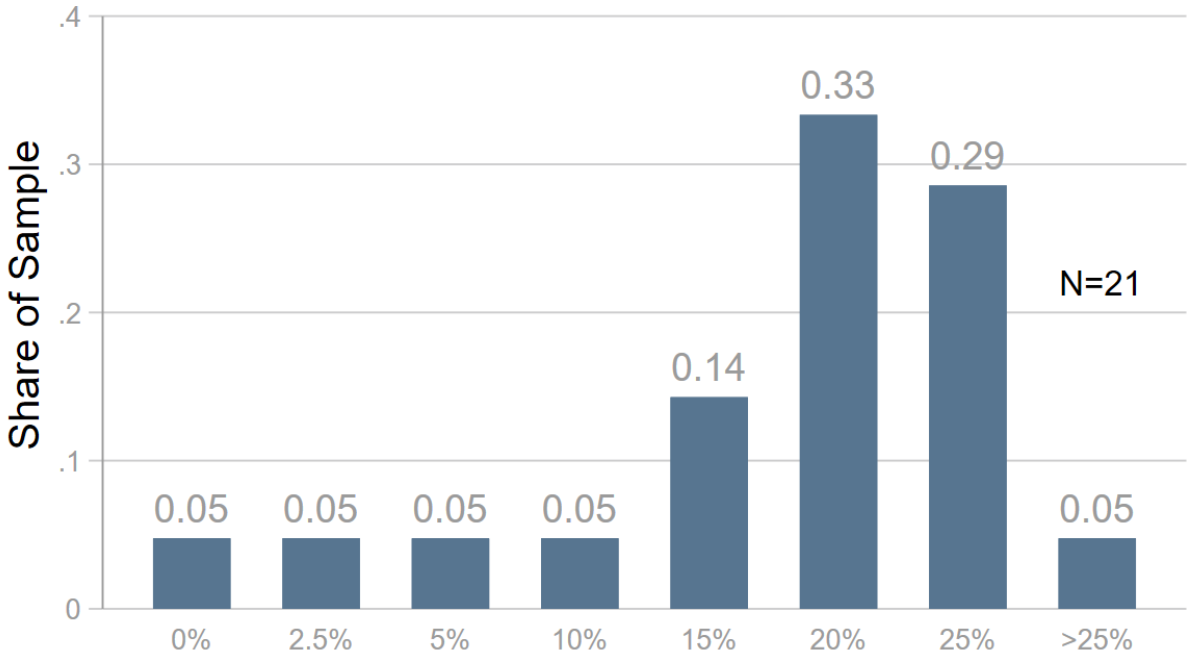
Selected LEMA for each Method of Assigning Allocations



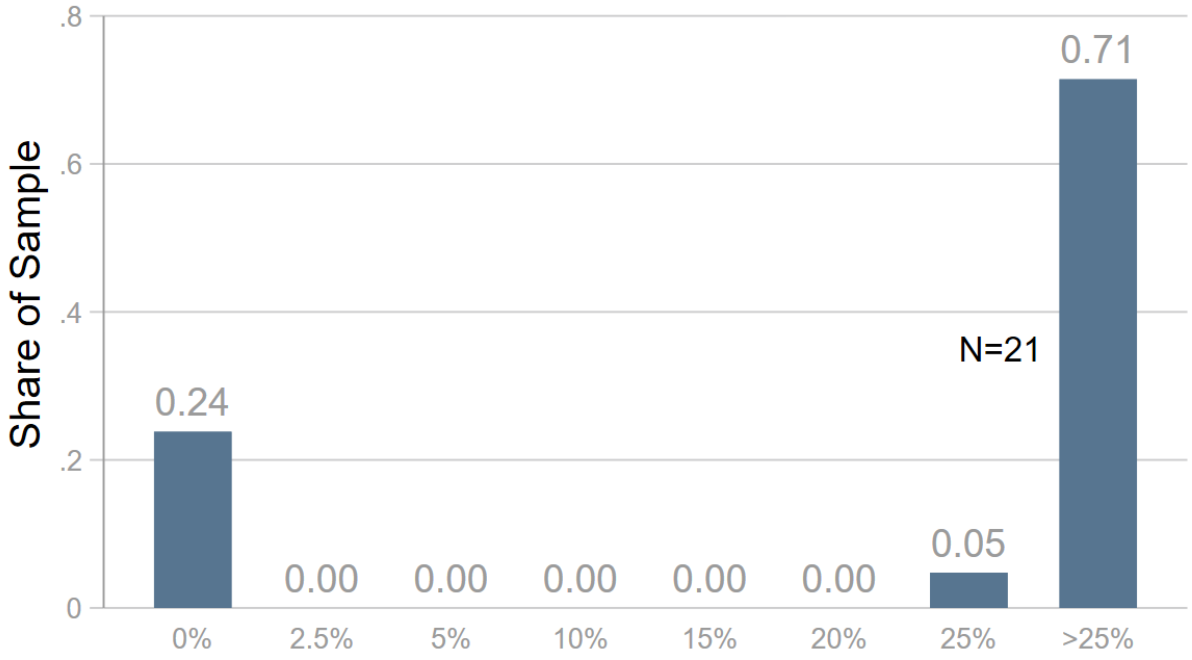
Reduction Goal that was Ranked 1st



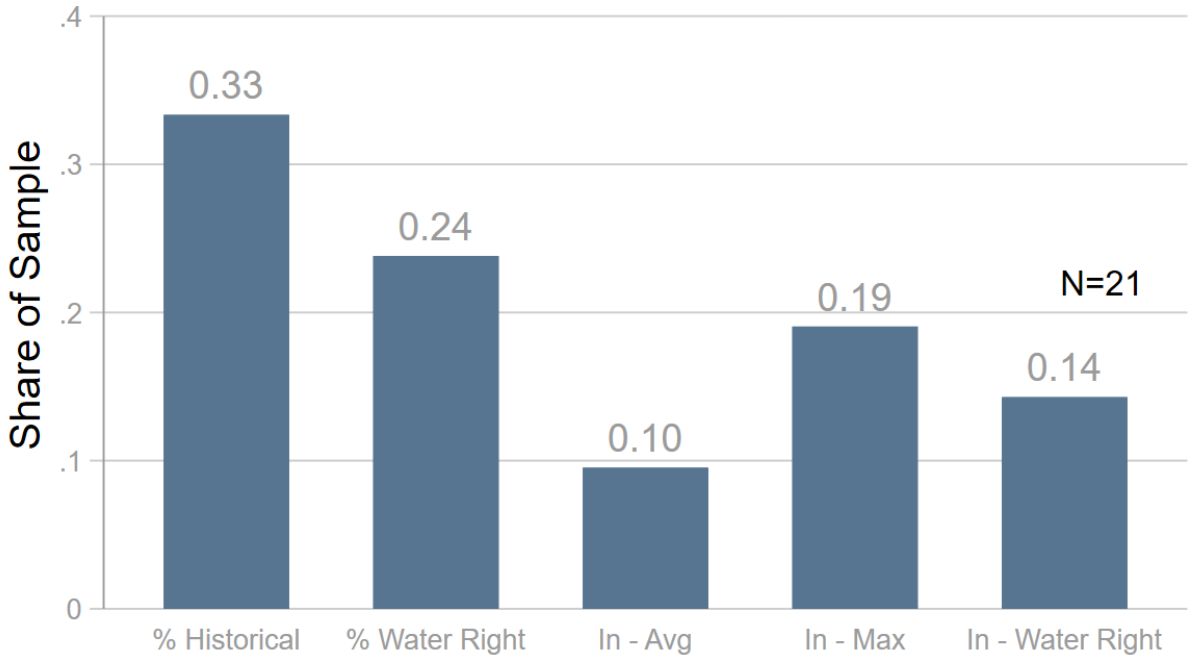
Reduction Goal that was Ranked 2nd



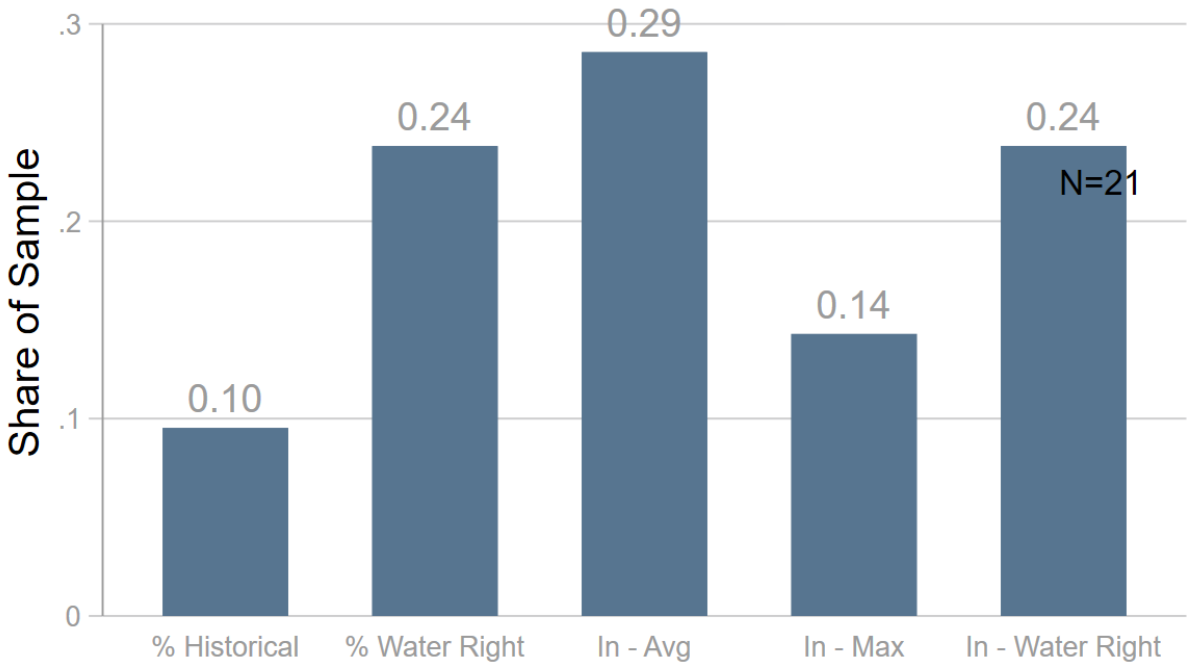
Reduction Goal that was Ranked Worst



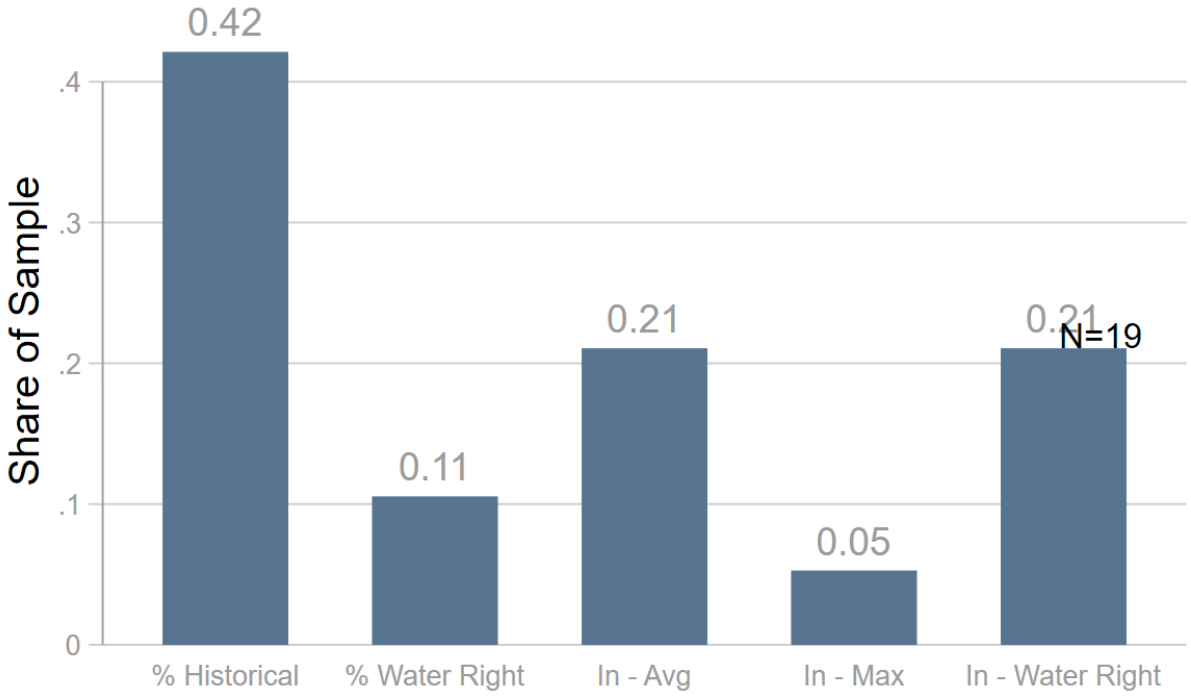
Method of Assigning Allocations that was Ranked 1st



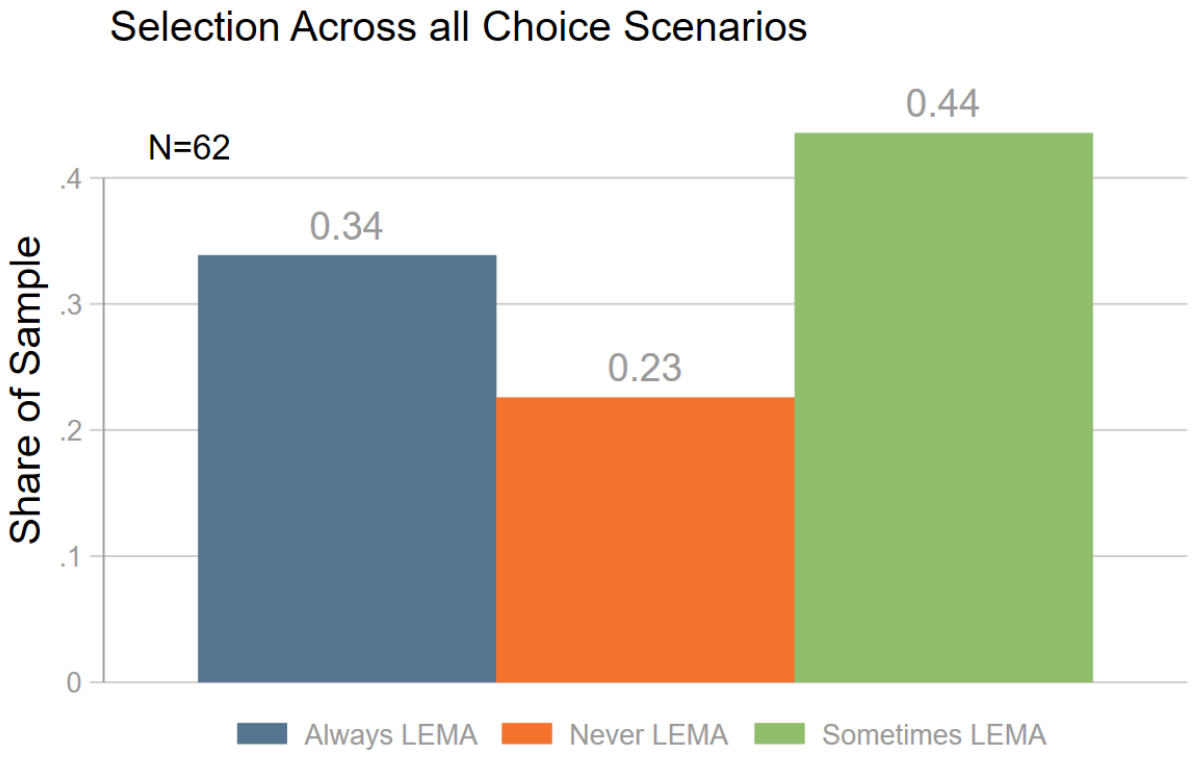
Method of Assigning Allocations that was Ranked 2nd

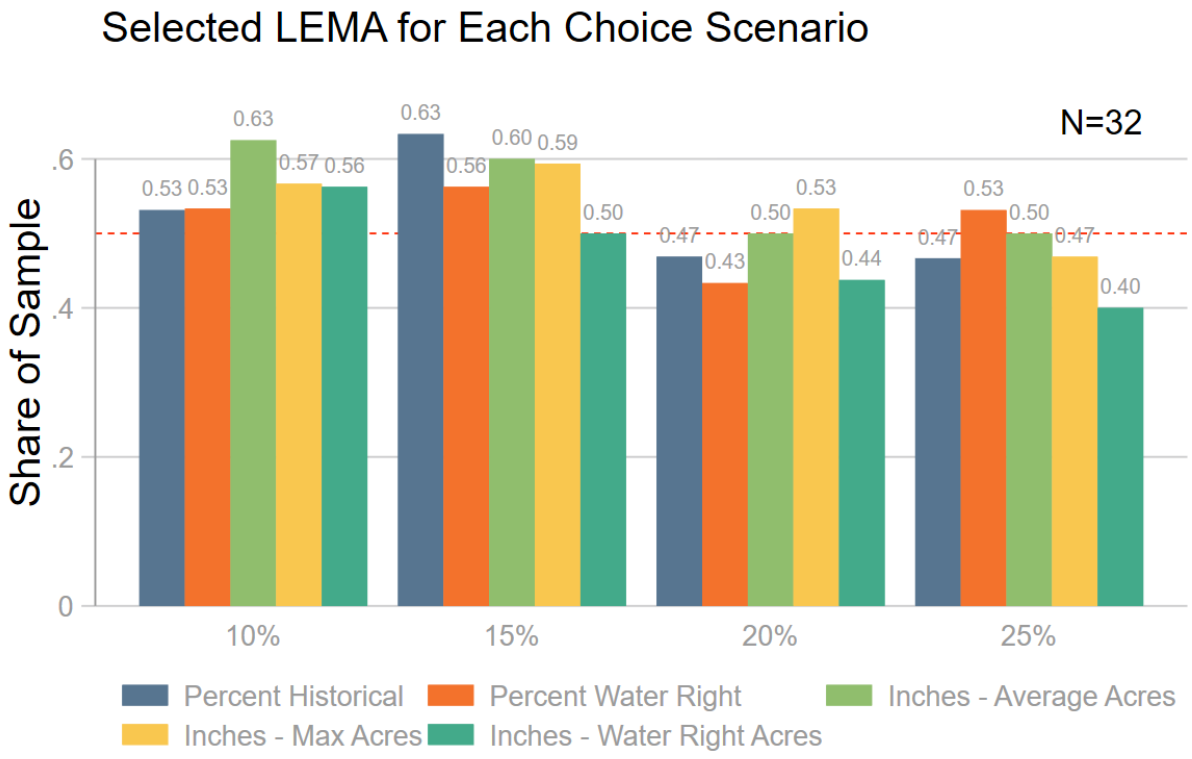


Method of Assigning Allocations that was Ranked Worst

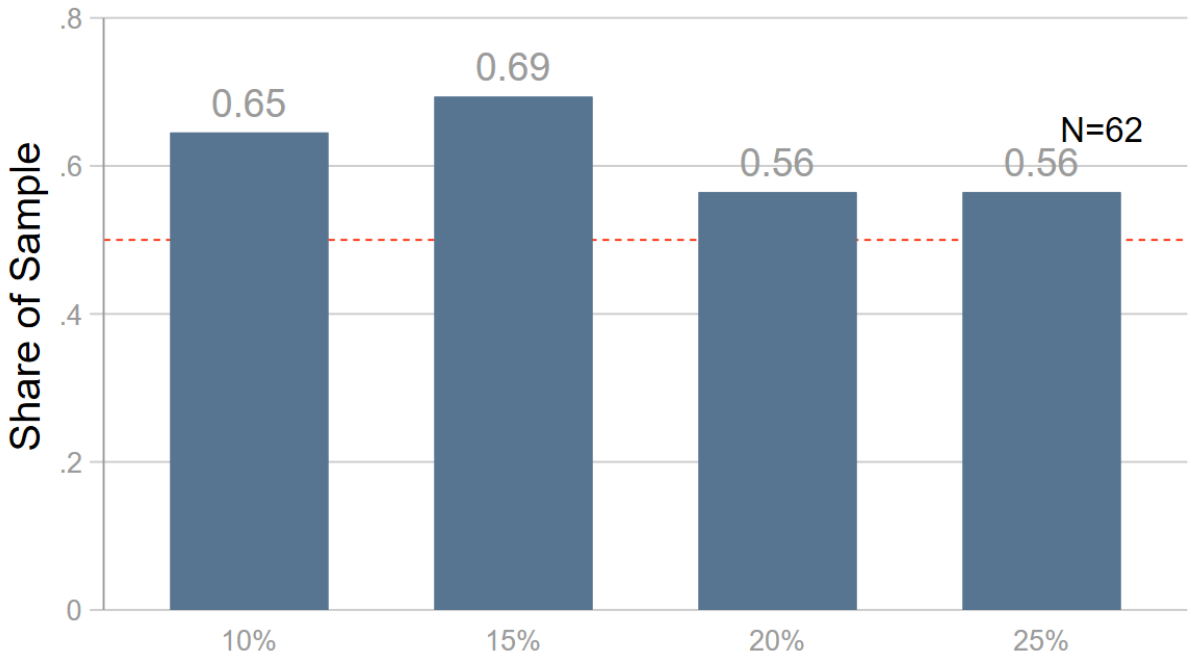


Respondents with more than 75% of wells have well capacity less than 300 GPM

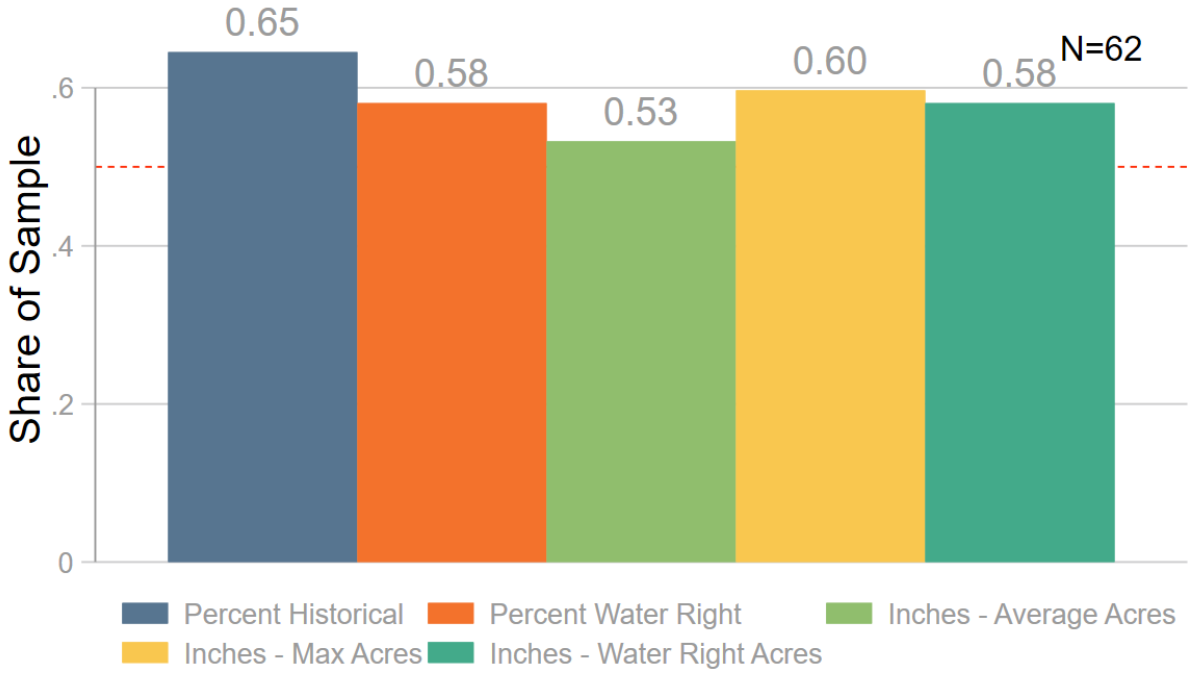




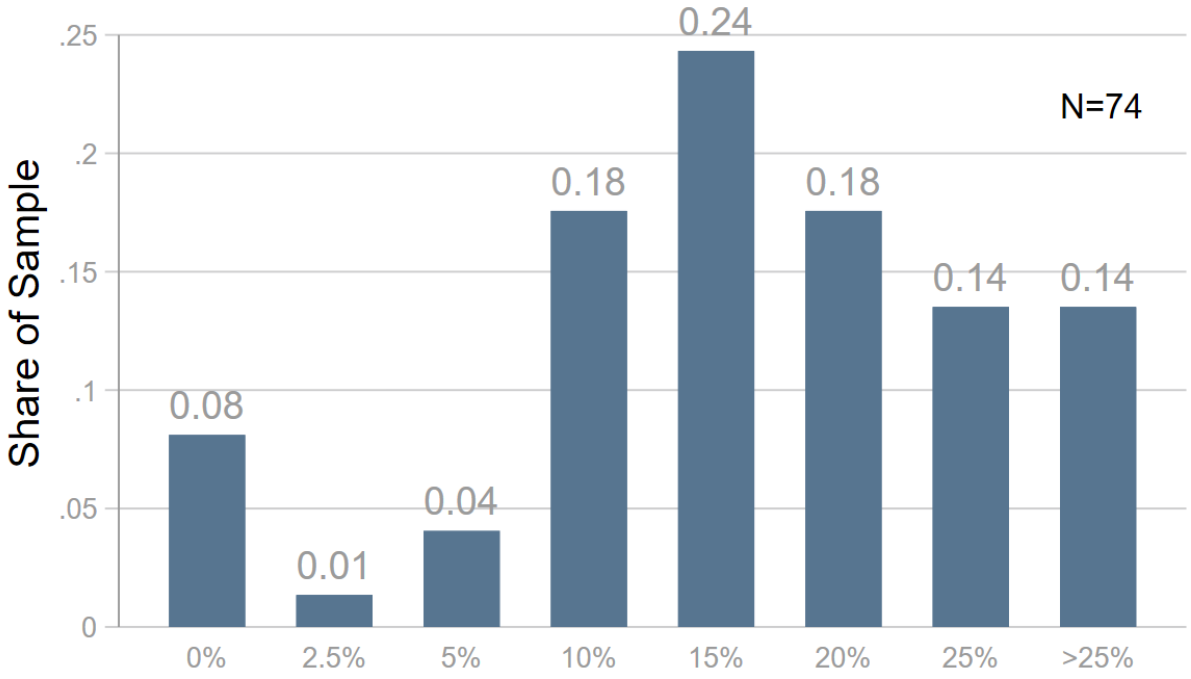
Selected LEMA for each Reduction Goal



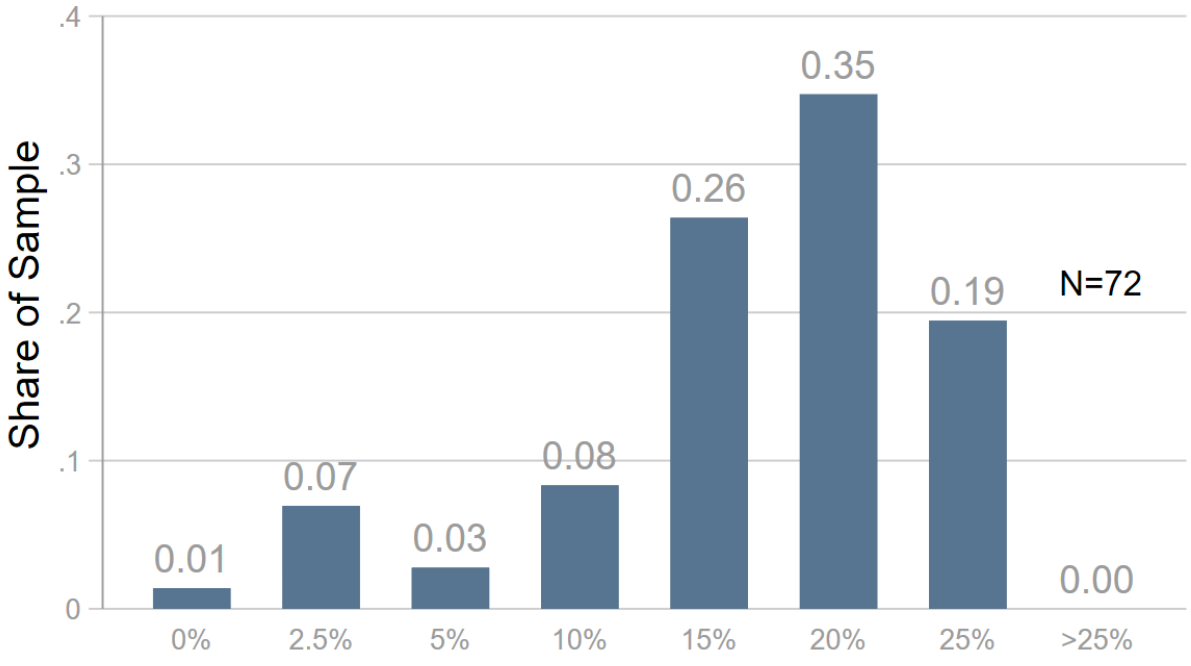
Selected LEMA for each Method of Assigning Allocations



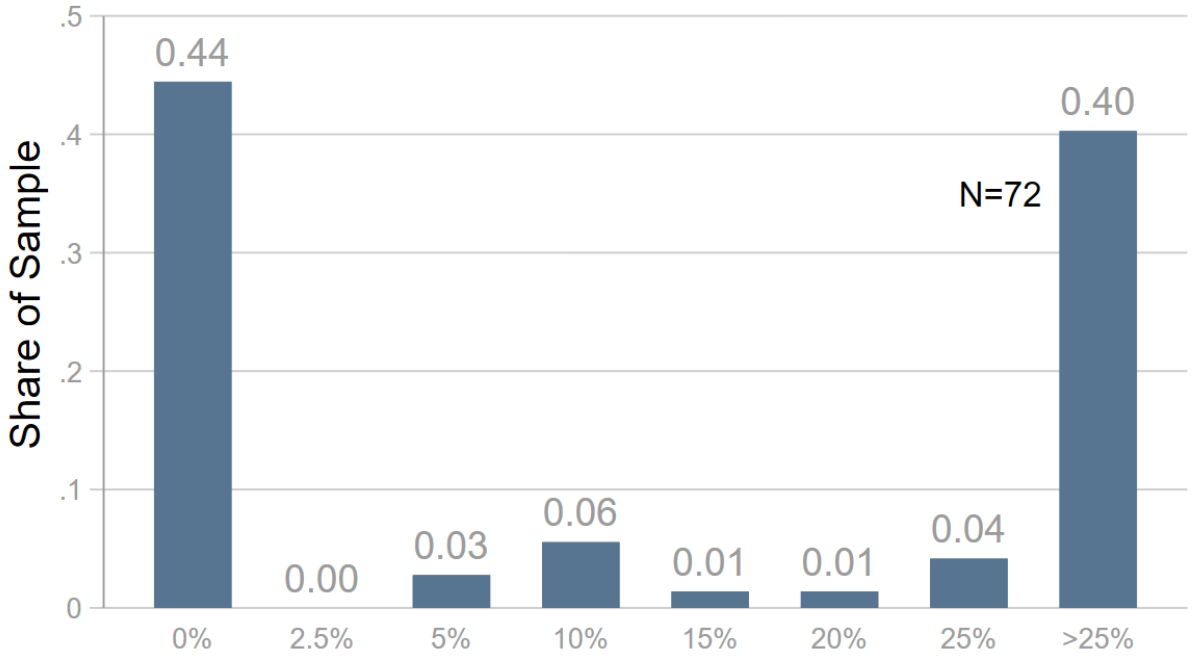
Reduction Goal that was Ranked 1st



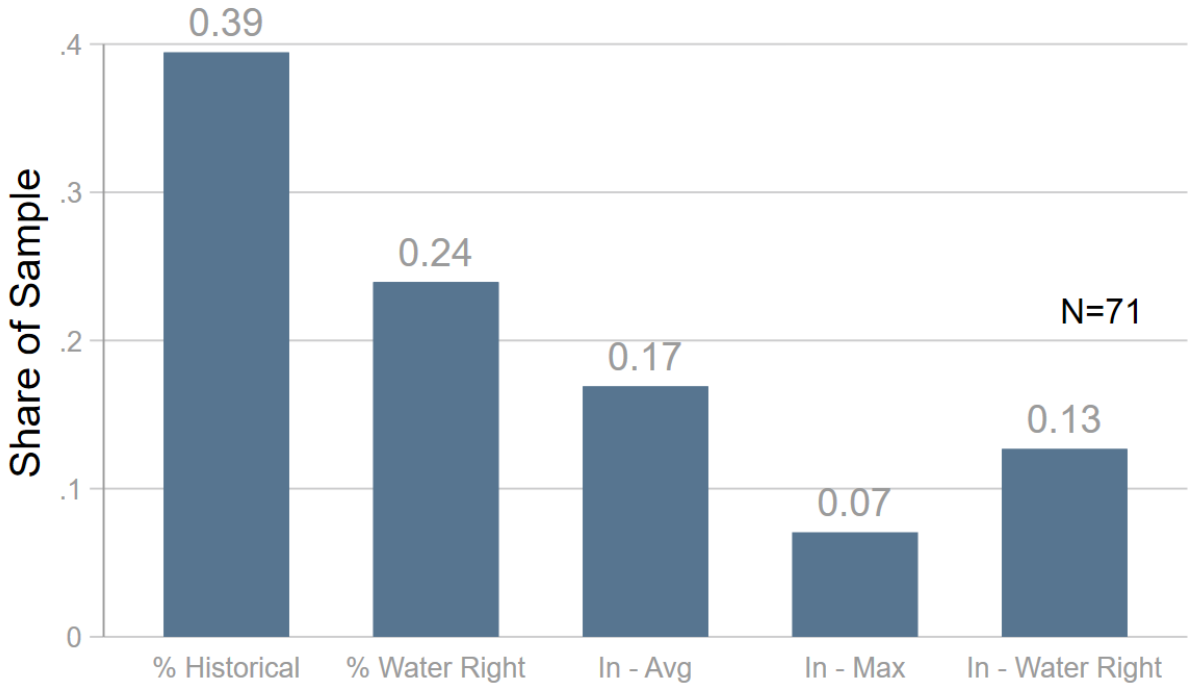
Reduction Goal that was Ranked 2nd



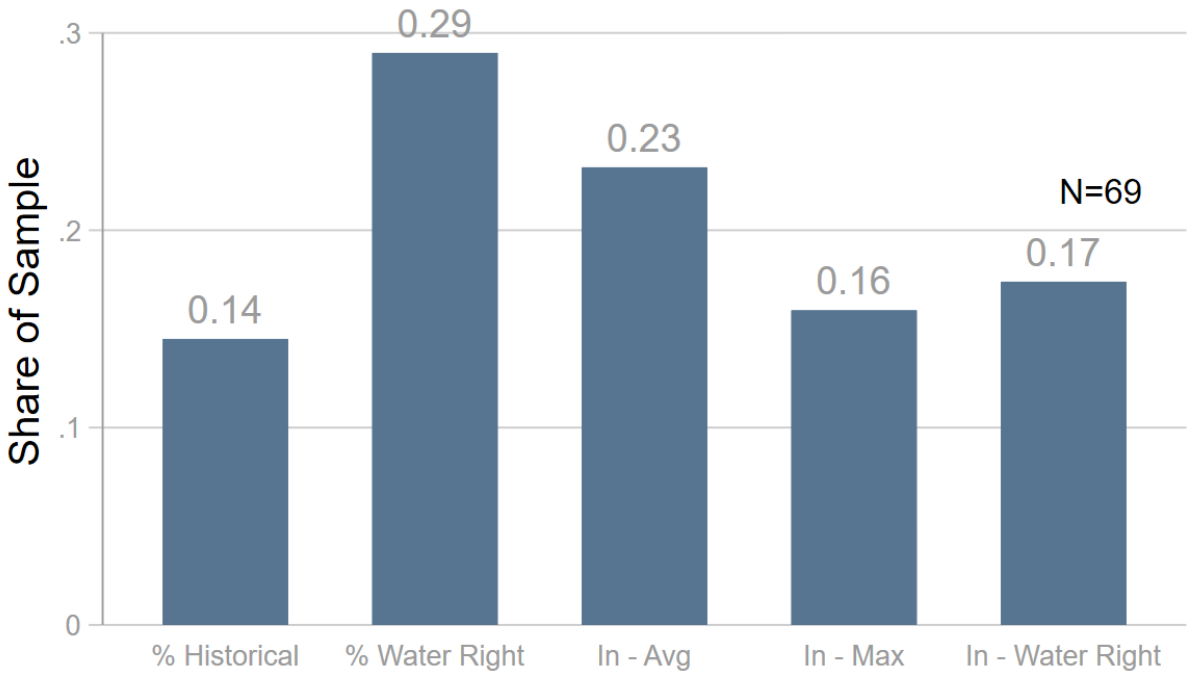
Reduction Goal that was Ranked Worst



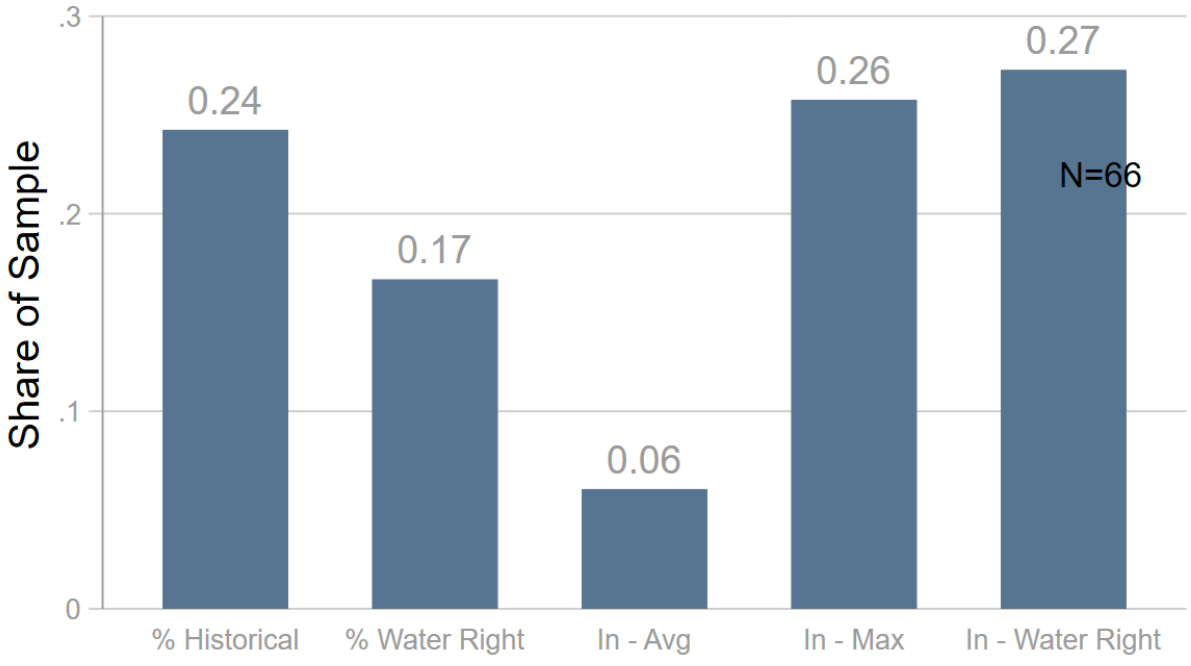
Method of Assigning Allocations that was Ranked 1st



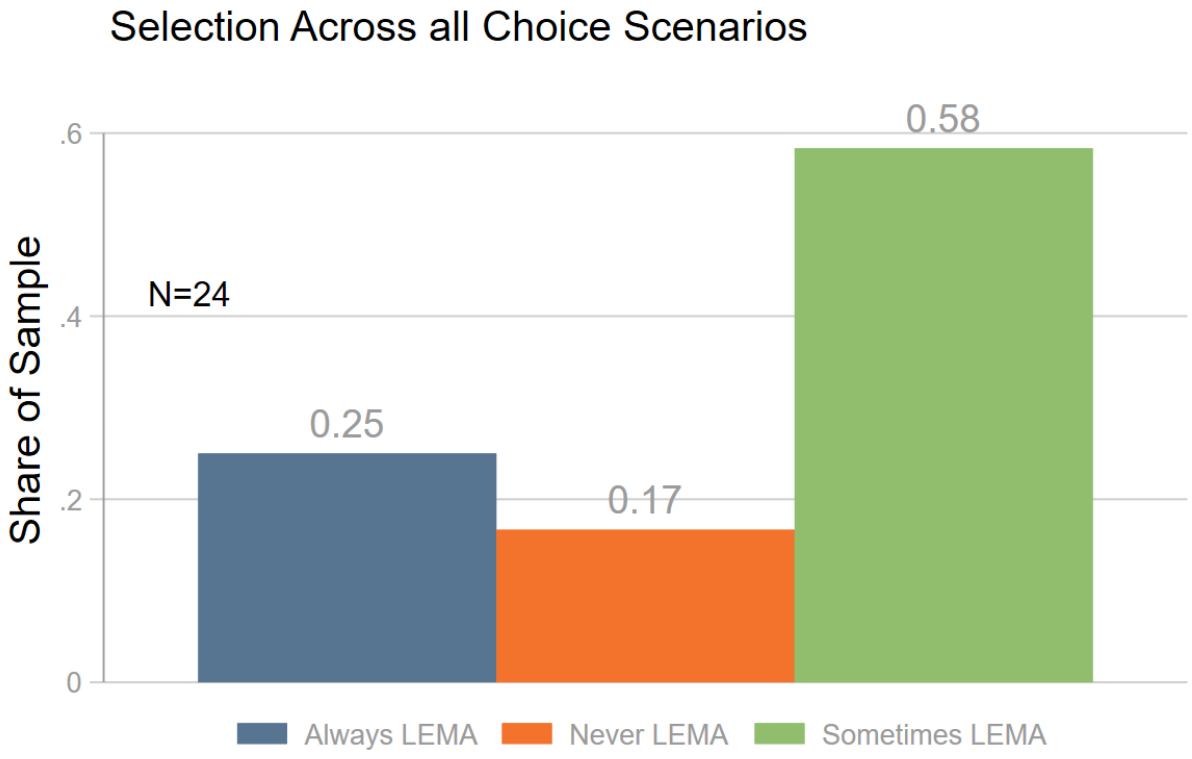
Method of Assigning Allocations that was Ranked 2nd

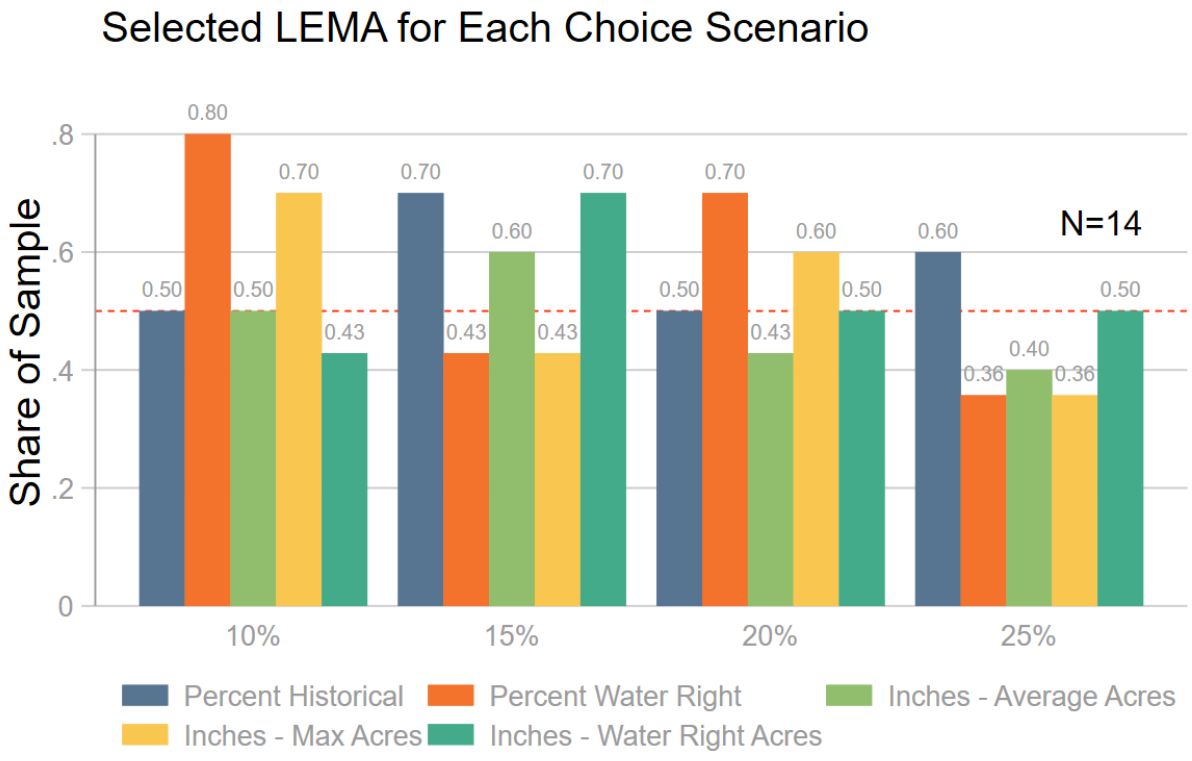


Method of Assigning Allocations that was Ranked Worst

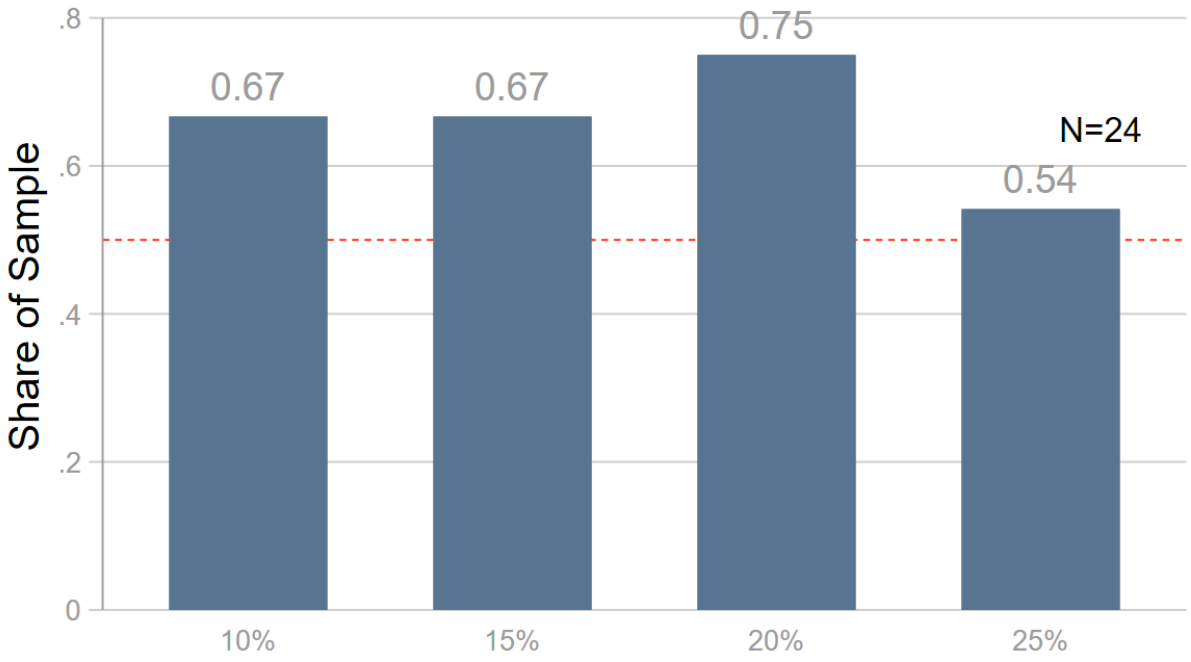


Respondents with more than 50% of wells have well capacity greater than 400 GPM

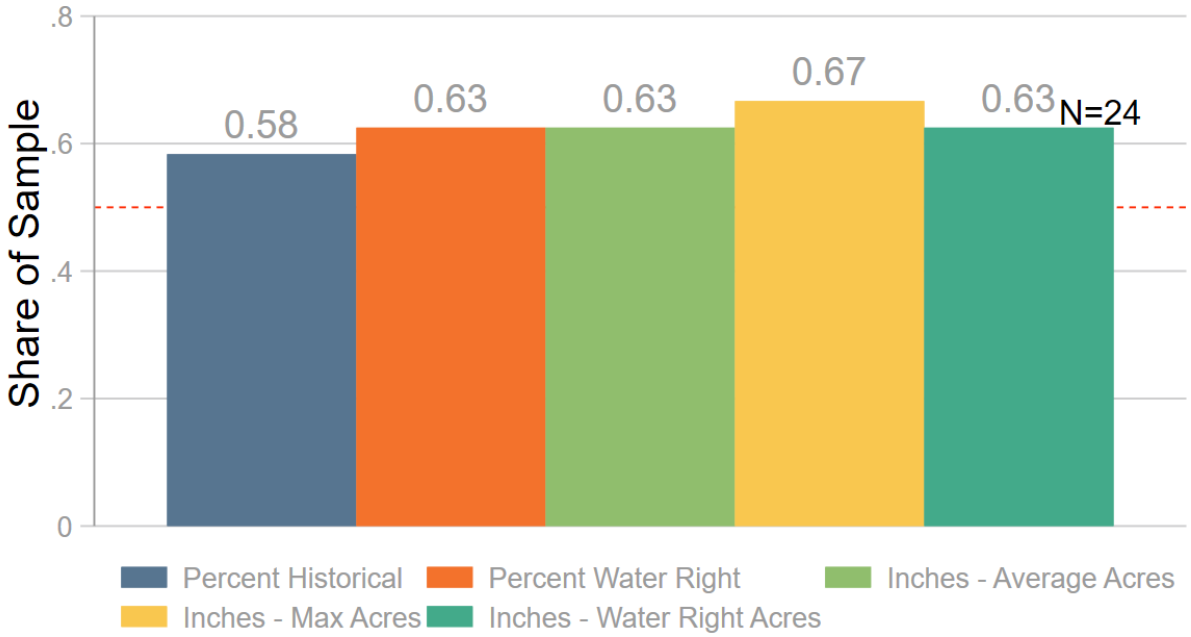




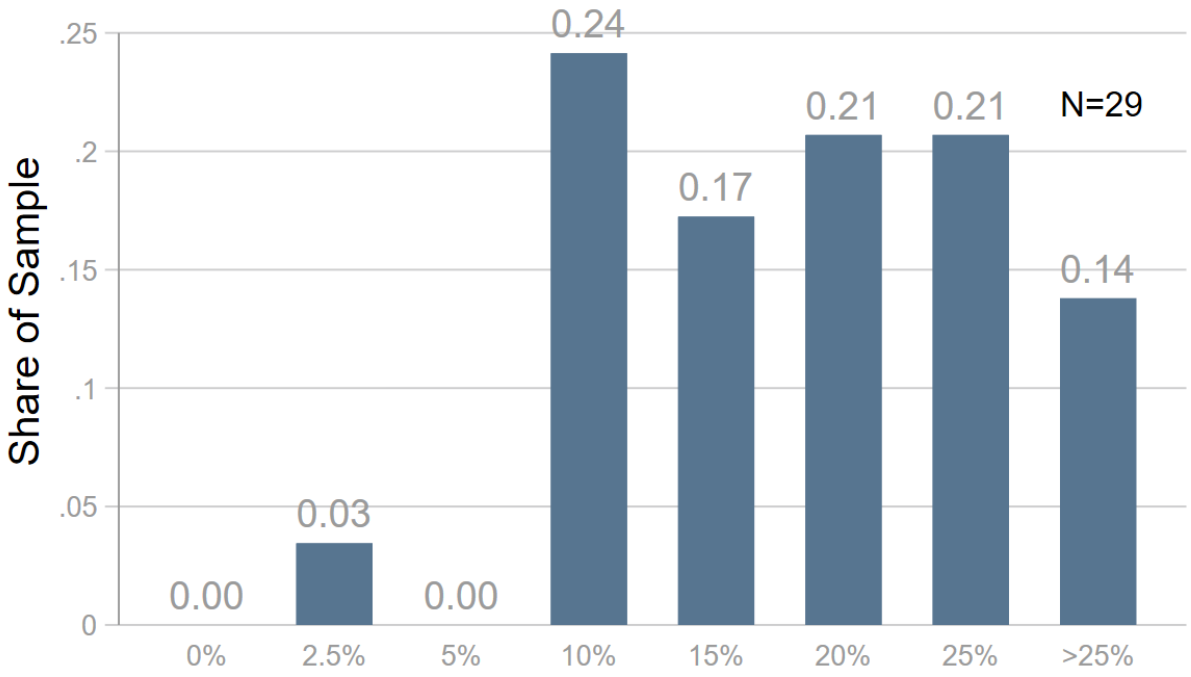
Selected LEMA for each Reduction Goal



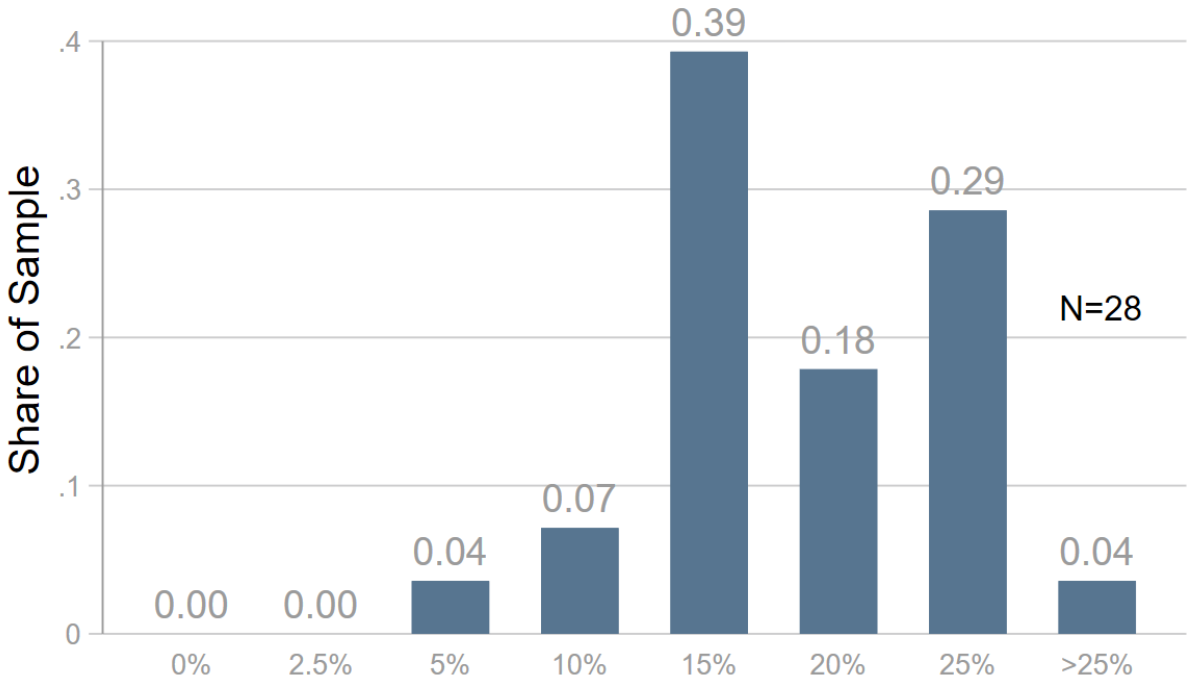
Selected LEMA for each Method of Assigning Allocations



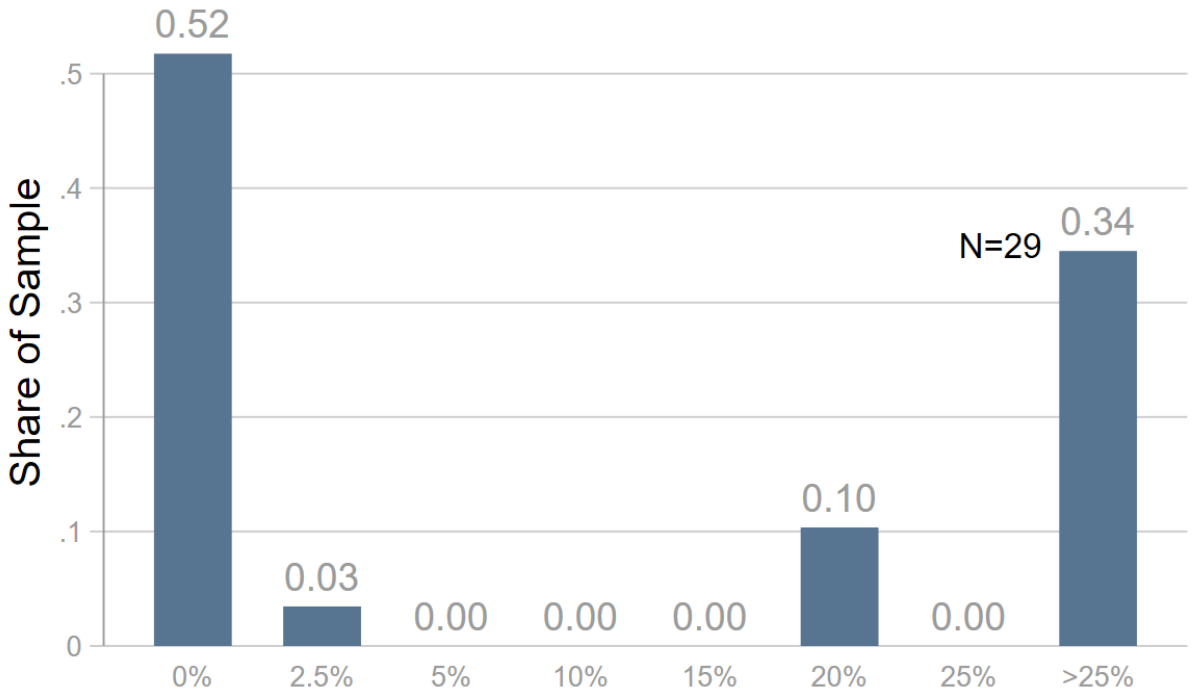
Reduction Goal that was Ranked 1st



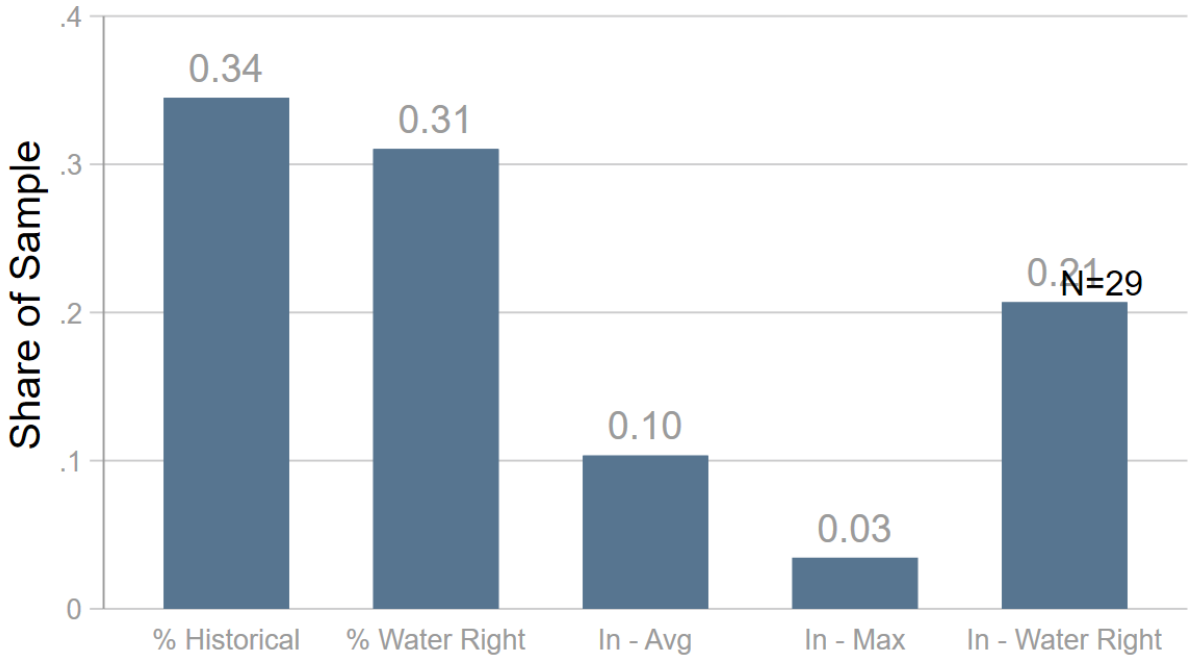
Reduction Goal that was Ranked 2nd



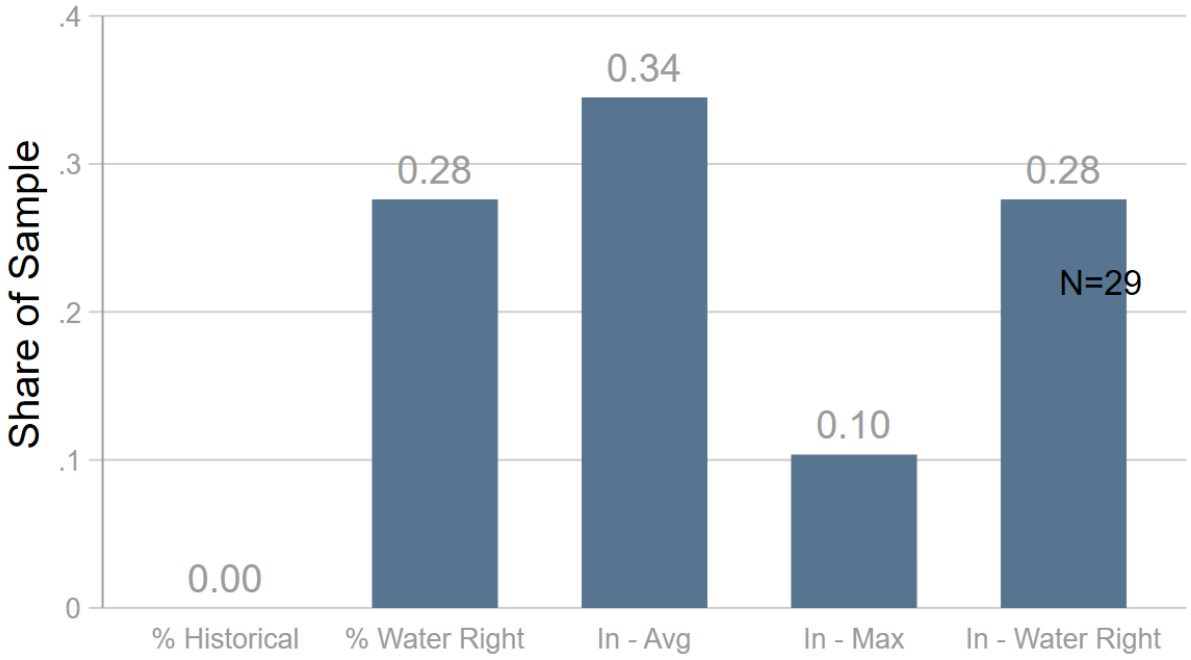
Reduction Goal that was Ranked Worst



Method of Assigning Allocations that was Ranked 1st



Method of Assigning Allocations that was Ranked 2nd



Method of Assigning Allocations that was Ranked Worst