

Dealing with unaccounted loads

Management Board

2/22/23

MB Decisions 1/26/2023 – A, B, and C

- Approve CAST-21 and CAST-23 after fertilizer revisions
- Produce interim planning targets
 - CBPO will calculate the interim 2025 planning targets, including climate, and unaccounted additional loads by April 30, 2023
 - unaccounted additional loads defined as loads identified after the planning targets were adopted in July 2018
 - increases that occurred due to CAST19 and CAST21 will be addressed post 2025.
 - Unaccounted additional loads may change with CAST-23.

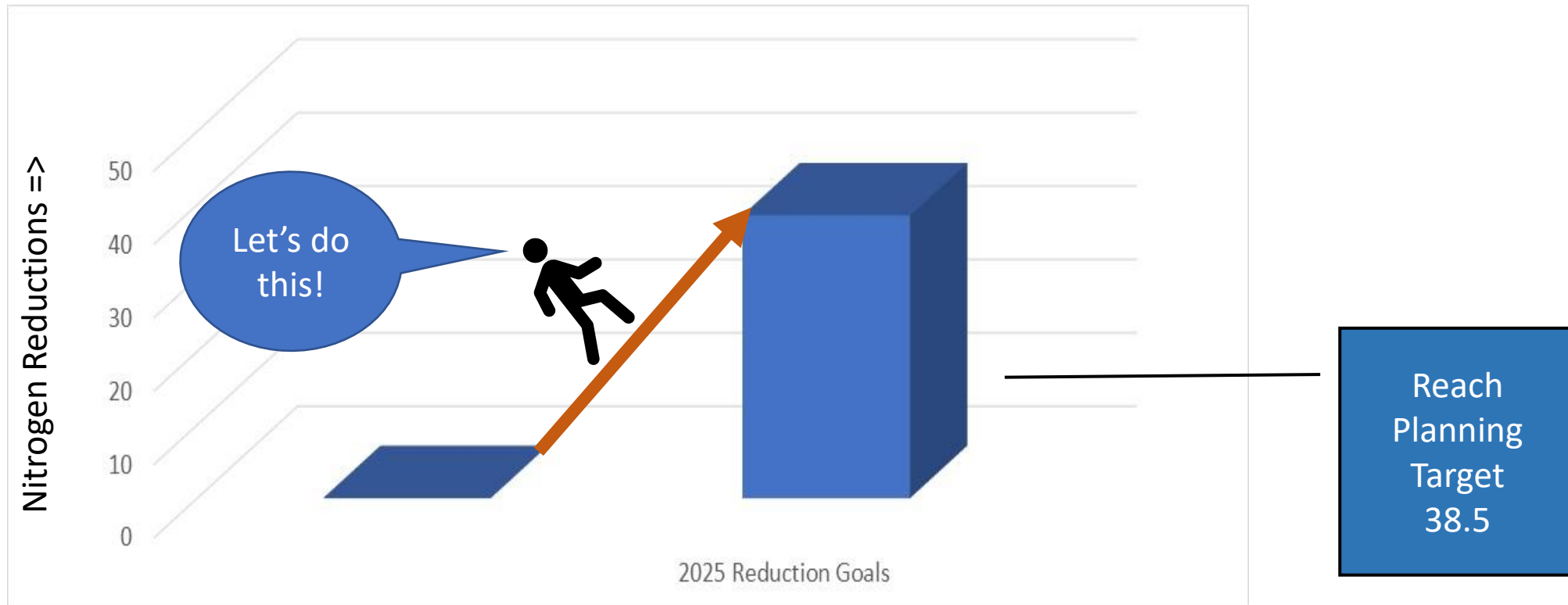
Proposal:

<https://d18lev1ok5leia.cloudfront.net/chesapeakebay/documents/Revisions-to-MD-Proposal-for-CAST-1-12-23-clean-minor-edits-incorporate-CBC-climate-recommendations.pdf>

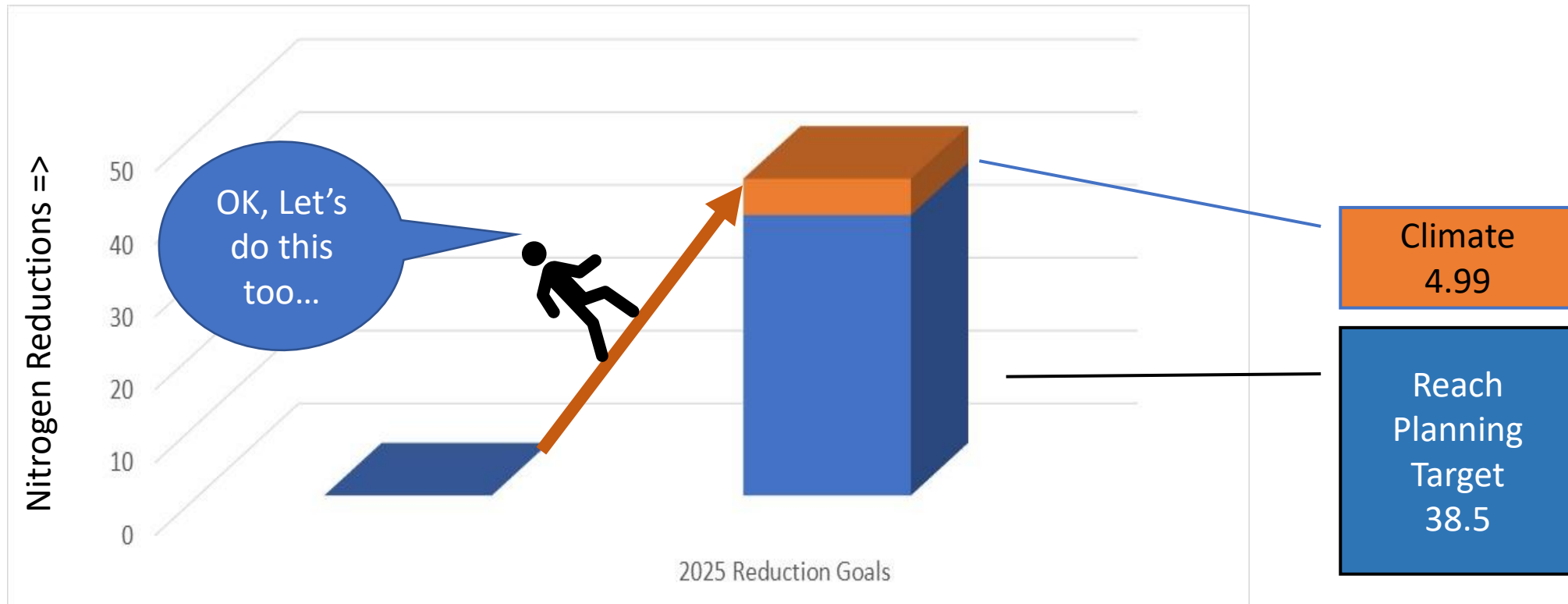
Decision:

https://d18lev1ok5leia.cloudfront.net/chesapeakebay/documents/1.26.23-MB-Actions-and-Decisions-V1_2023-02-07-195807_lkix.pdf

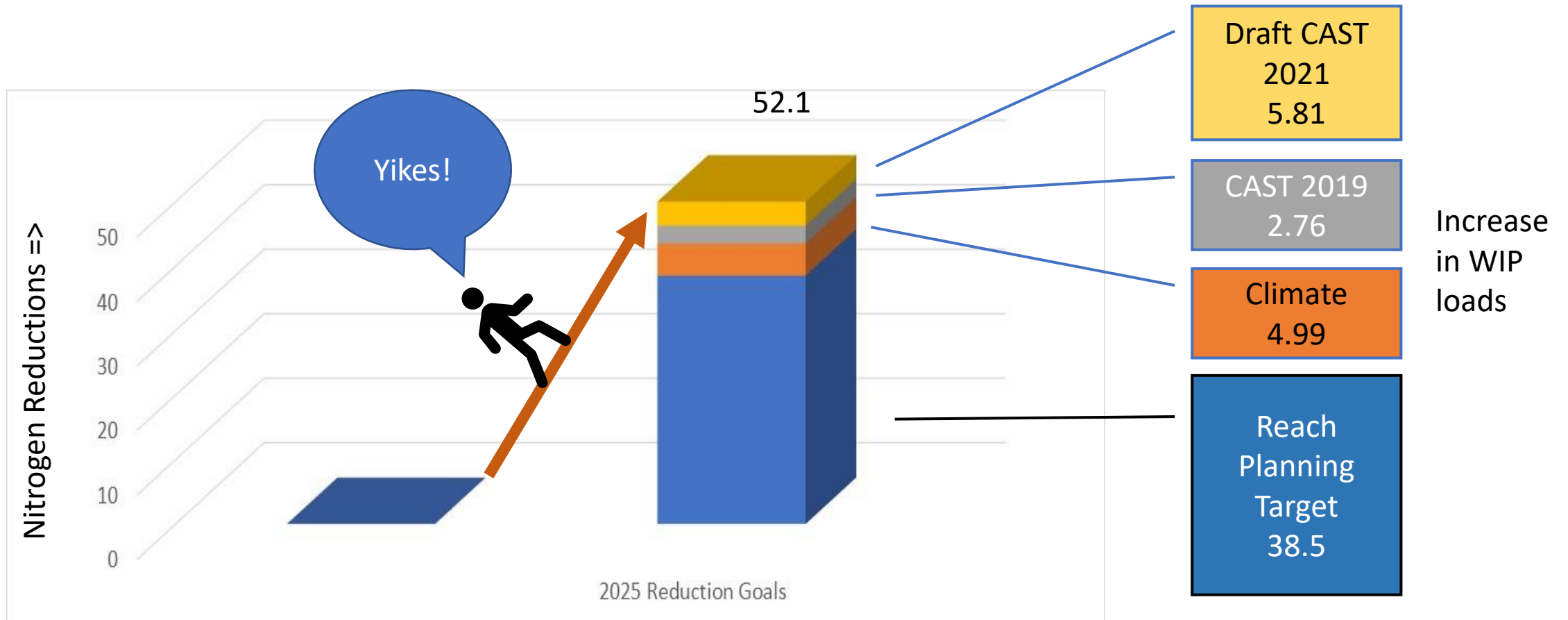
Original Phase 3 level of effort



...Plus Climate Change Effects

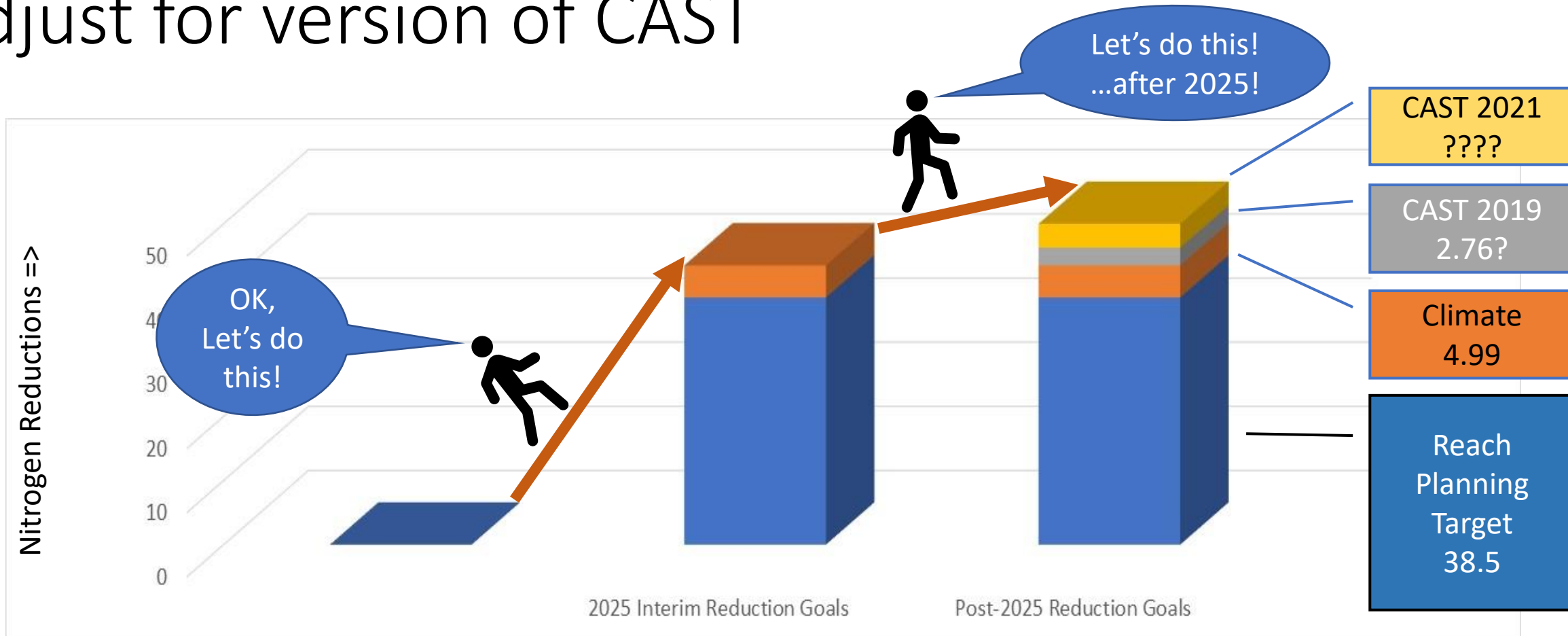


New versions of CAST raised the expected reduction effort even higher



Develop interim targets Include reductions for climate Adjust for version of CAST

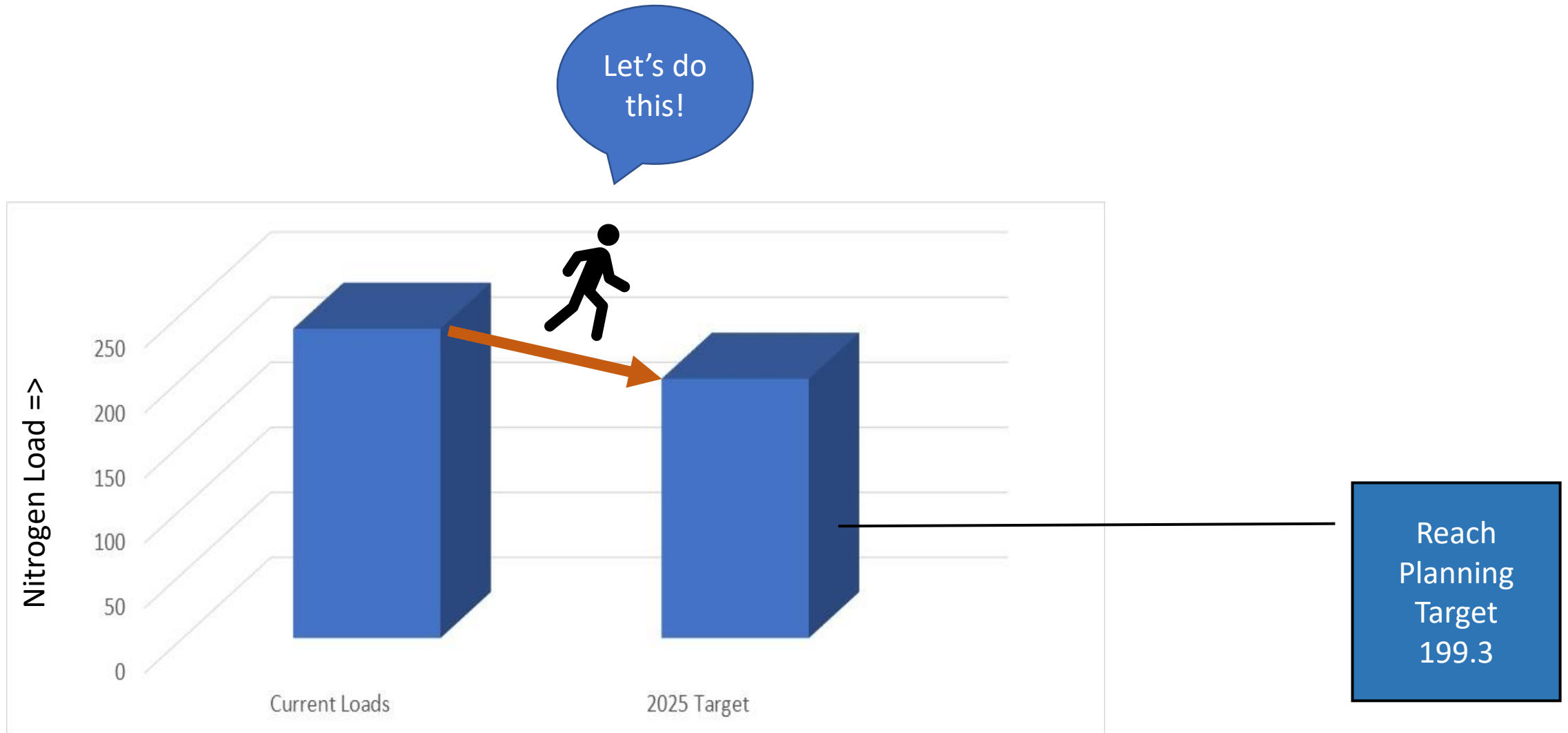
Waiting on CAST-2021



Same concepts

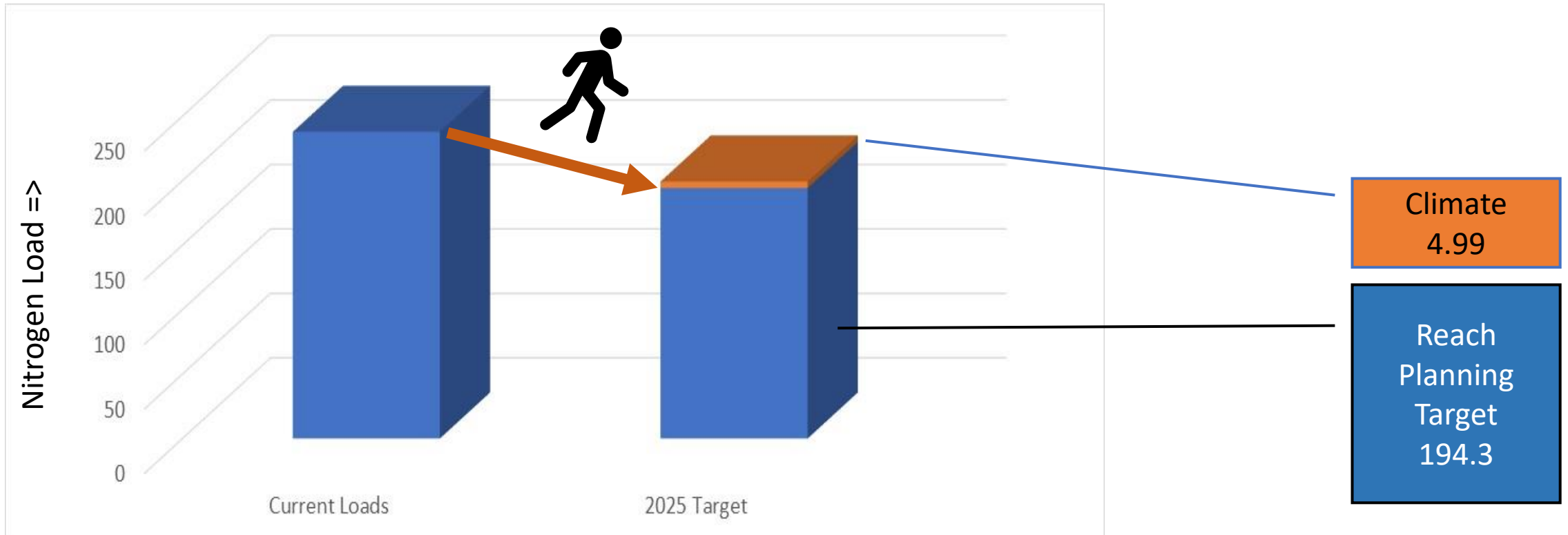
Presented in loads
rather than reductions

Original Phase 3 level of effort

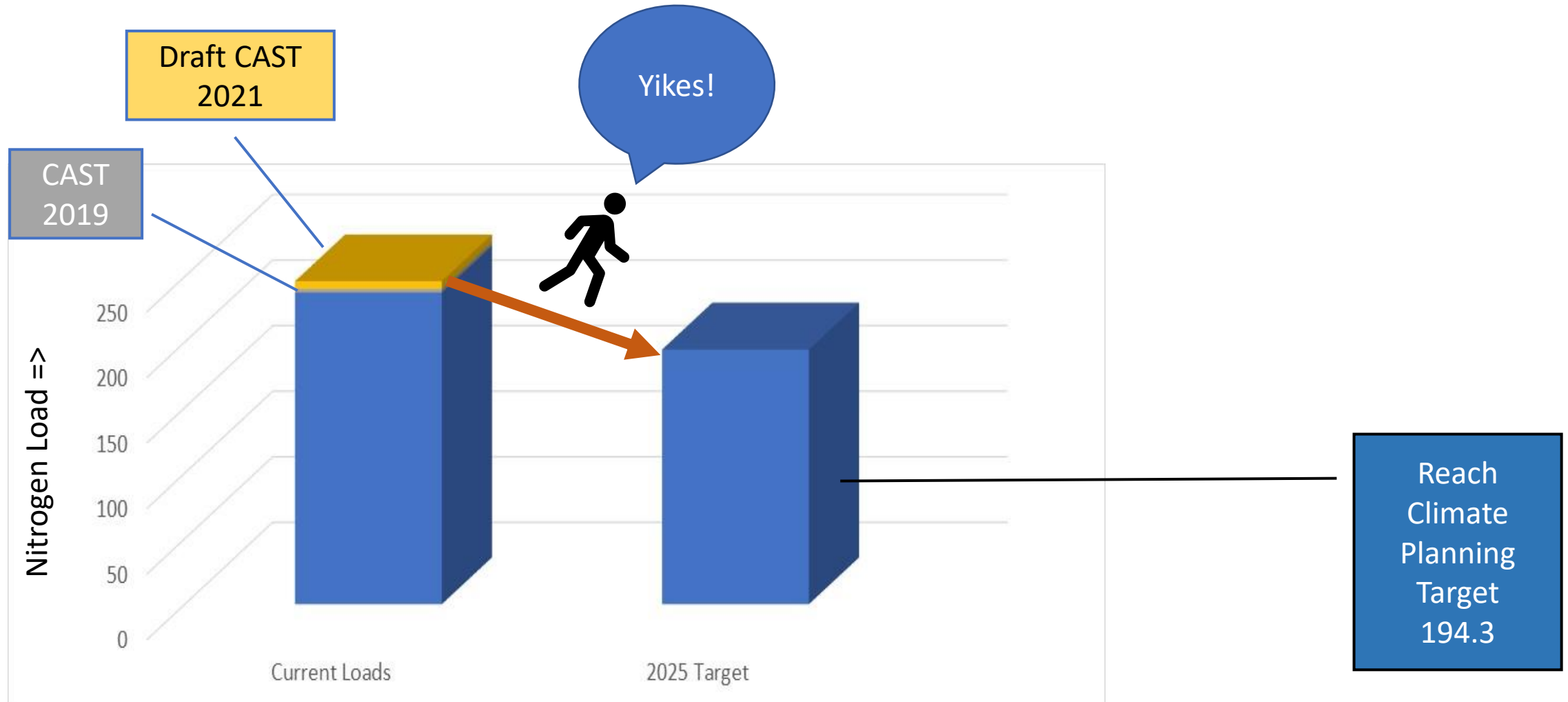


...Plus Climate Change Effects

OK,
Let's do
this
too...

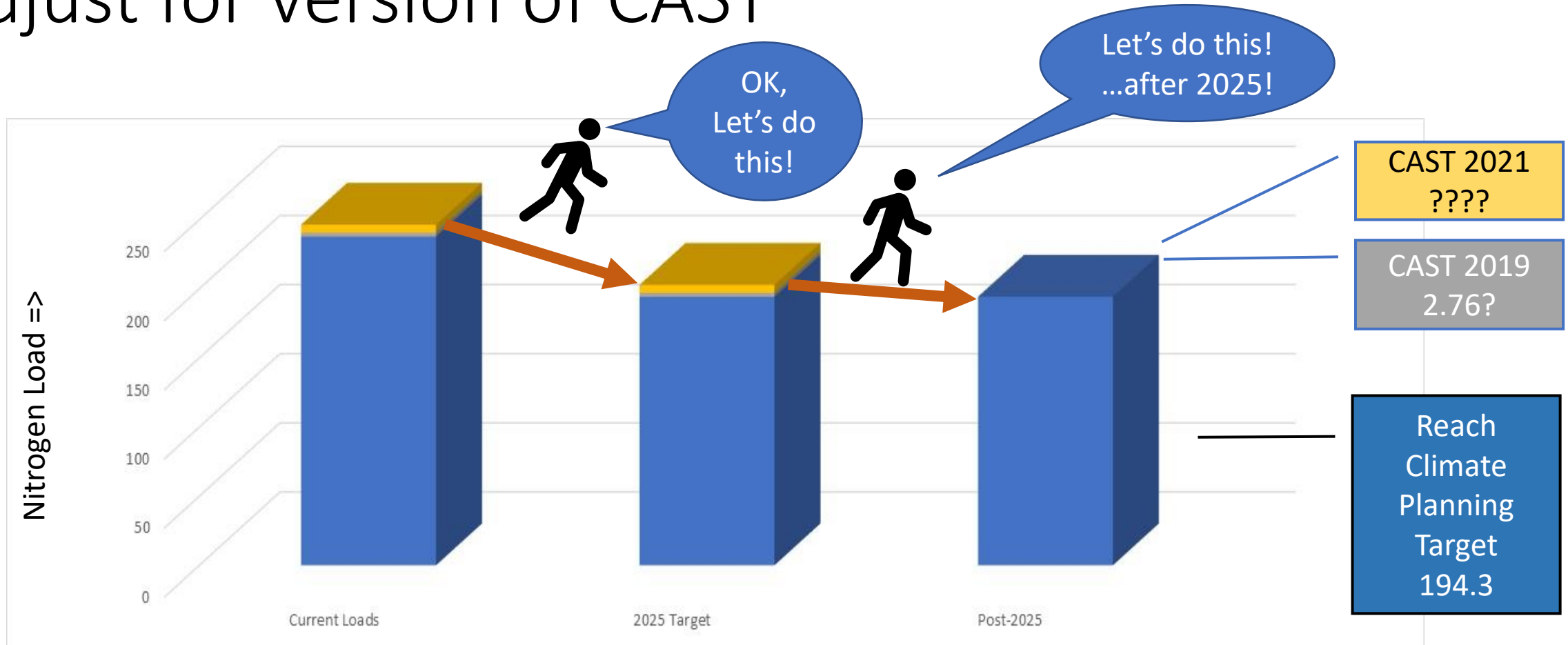


New versions of CAST raised the current loads without changing the planning target



Develop interim targets Include reductions for climate Adjust for version of CAST

Waiting on CAST-2021



We can move forward with CAST2021 – following partnership decisions

Current numbers

Nitrogen Load (Million pounds)						
Jurisdiction	CAST-17-based Planning Target	Climate Reductions	PT with climate	CAST-19 addn'l WIP loads	CAST-21 addn'l loads	Interim 2025 Planning Targets
DC	2.42	0.01	2.42	0.00	???	???
DE	4.55	0.04	4.51	0.44	???	???
MD	45.83	1.14	44.69	0.77	???	???
NY	11.80	0.40	11.40	-0.12	???	???
PA	73.49	1.81	71.68	1.04	???	???
VA	52.95	1.59	51.37	0.34	???	???
WV	8.23	0.00	8.23	0.29	???	???
All	(199.28	— 4.99	= 194.29) 2.76	???	???

Phosphorus Load (Million pounds)						
Jurisdiction	CAST-17-based Planning Target	Climate Reductions	PT with climate	CAST-19 addn'l WIP loads	CAST-21 addn'l loads	Interim 2025 Planning Targets
DC	0.13	0.00	0.13	0.00	???	???
DE	0.11	0.00	0.11	0.01	???	???
MD	3.68	0.11	3.57	0.12	???	???
NY	0.48	0.04	0.43	0.00	???	???
PA	2.90	0.09	2.81	0.05	???	???
VA	5.58	0.34	5.25	-0.03	???	???
WV	0.43	0.01	0.42	0.02	???	???
All	13.31	0.60	12.71	0.15	???	???

Current numbers

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DE	4.55	0.04	4.51	0.44	???	???
MD	45.83	1.14	44.69	0.77	???	???
NY	11.80	0.40	11.40	-0.12	???	???
PA	73.49	1.81	71.68	1.04	???	???
VA	52.95	1.59	51.37	0.34	???	???
WV	8.23	0.00	8.23	0.29	???	???
All	199.28	4.99	194.29	2.76	???	???

$$(194.29 + 2.76 = ???)$$

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Decide on method for interim targets by April 30

- How to calculate targets:
 - Use increase in WIP load?
 - Some other method?
- What to do about decreases?
 - Exchange N for P?
 - If still negative, do not lower target?

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VA	52.95	1.59	51.37	0.34	???	???
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NY	0.48	0.04	0.43	0.00	???	???
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All	13.31	0.60	12.71	0.15	???	???

Discussion