

INFORMATION MANAGEMENT

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Regional Management Team December 2014

INFORMATION MANAGEMENT

- Selecting sample
- Data collection tools
- Data transfer tools
- Data storage
- Compilation and stratification
- Quality checks
- Table production
- Tools for internal and external users

IM FY 2014 ACCOMPLISHMENTS

- Compiled FY 2013 data
- Posted FY 2013 data to FIADB
- Selected FY 2015 plots for measurement
- Implemented Field Guide 6.0 changes in NIMS, FIADB, EVALIDator and FIDO
- Implemented Urban field data collection in MIDAS
- Migrated to Oracle 11g

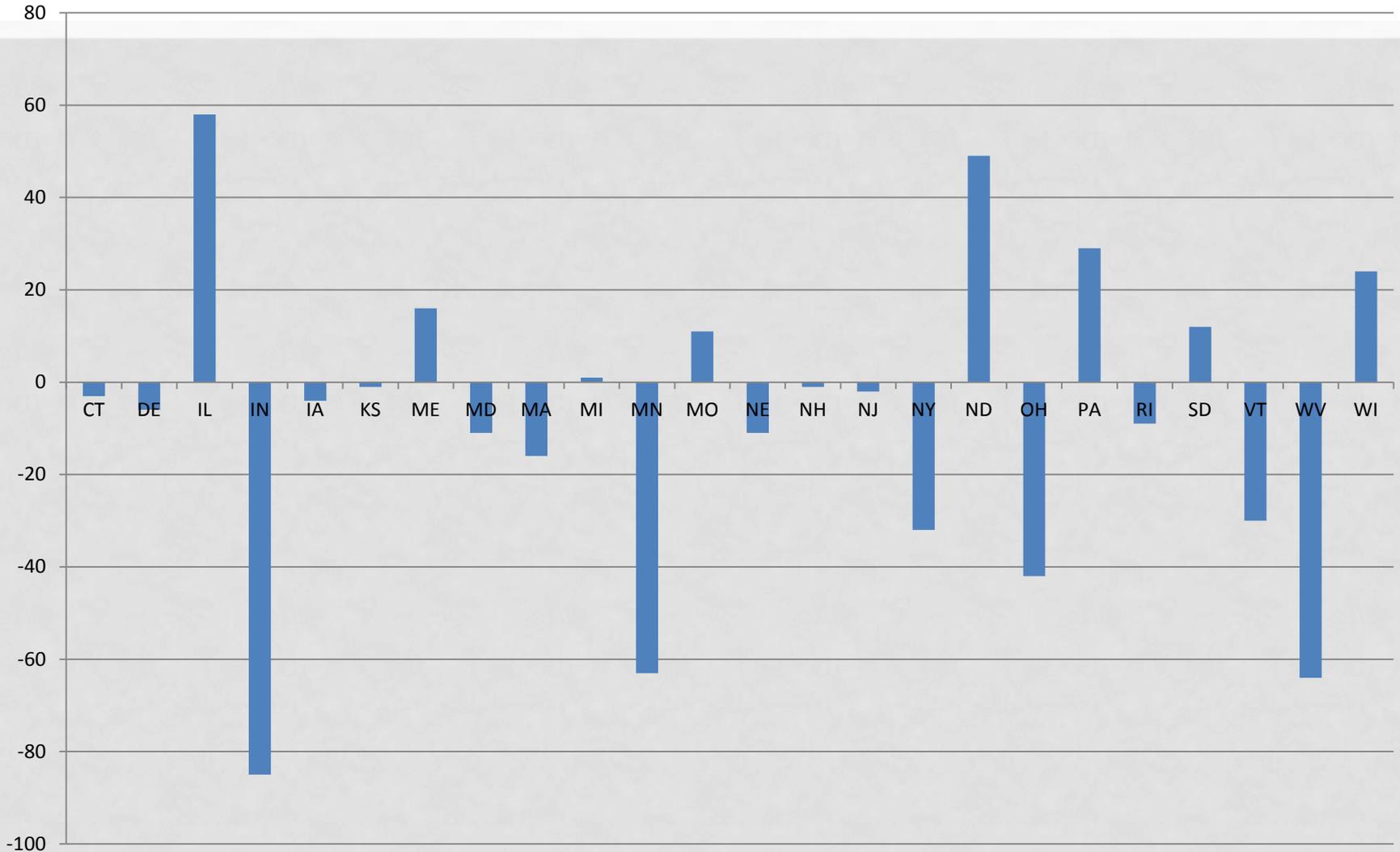
NRS FIA PROGRAM GOAL

*POST DATA TO FIA WEBSITE 6 MONTHS
AFTER LAST PLOT MEASURED*

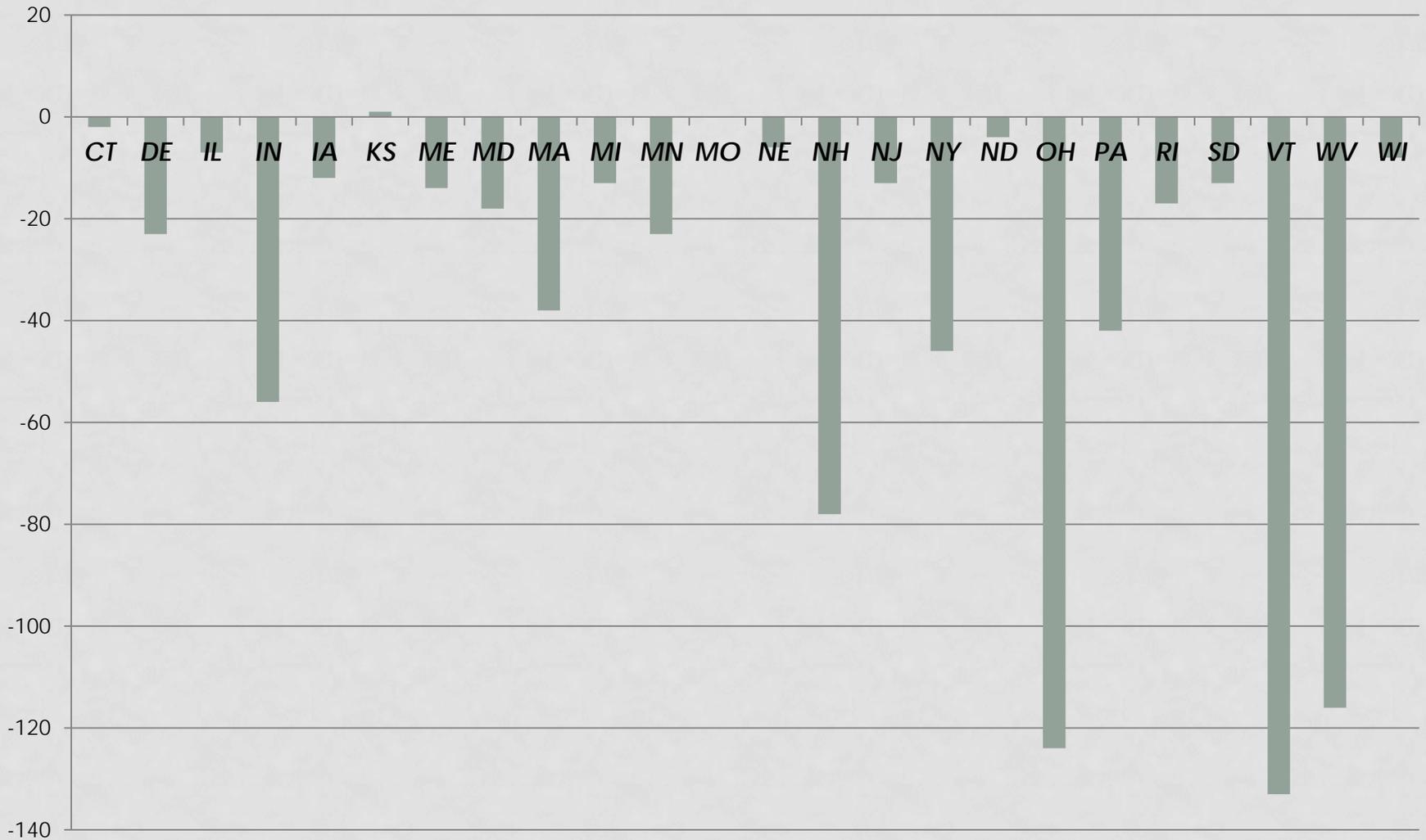
DEVIATION FROM 6 MONTH GOAL FY 2011



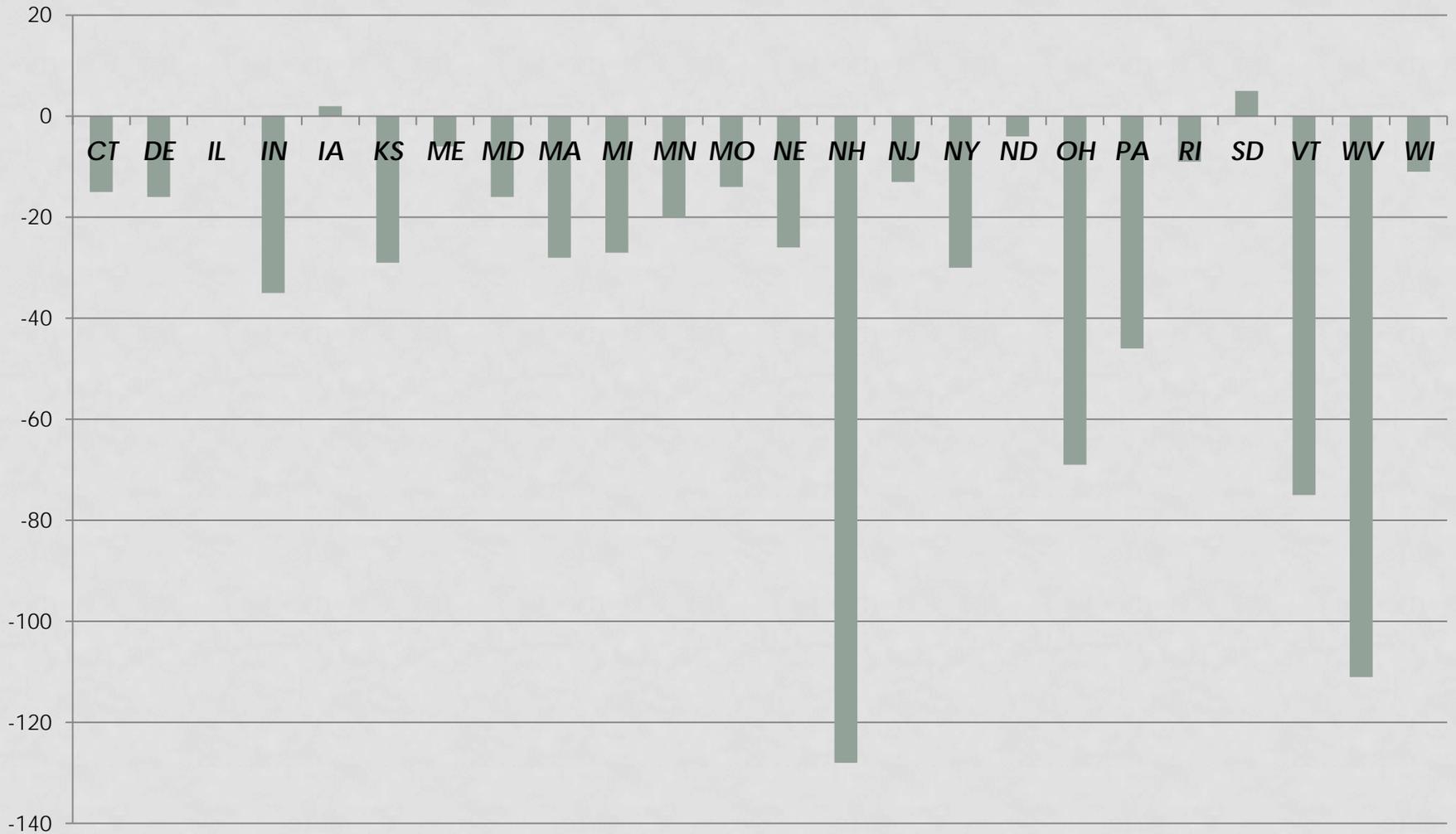
DEVIATION FROM 6 MONTH GOAL FY 2012



DEVIATION FROM 6 MONTH GOAL FY2013



DEVIATION FROM 6 MONTH GOAL FY2014



IM FY 2013 PLANS

- Include Timber Products Output (TPO) and National Woodland Owner Survey (NWOS) data under the National Information Management System (NIMS) umbrella.
- Biomass Growth, Removals, and Mortality (GRM) for trees 1.0 inch DBH and larger on Forestland
- Modify rest of applications and databases for Field Guide 6.0. - NIMS, FIADB, DataMart, EVALIDator, FIDO

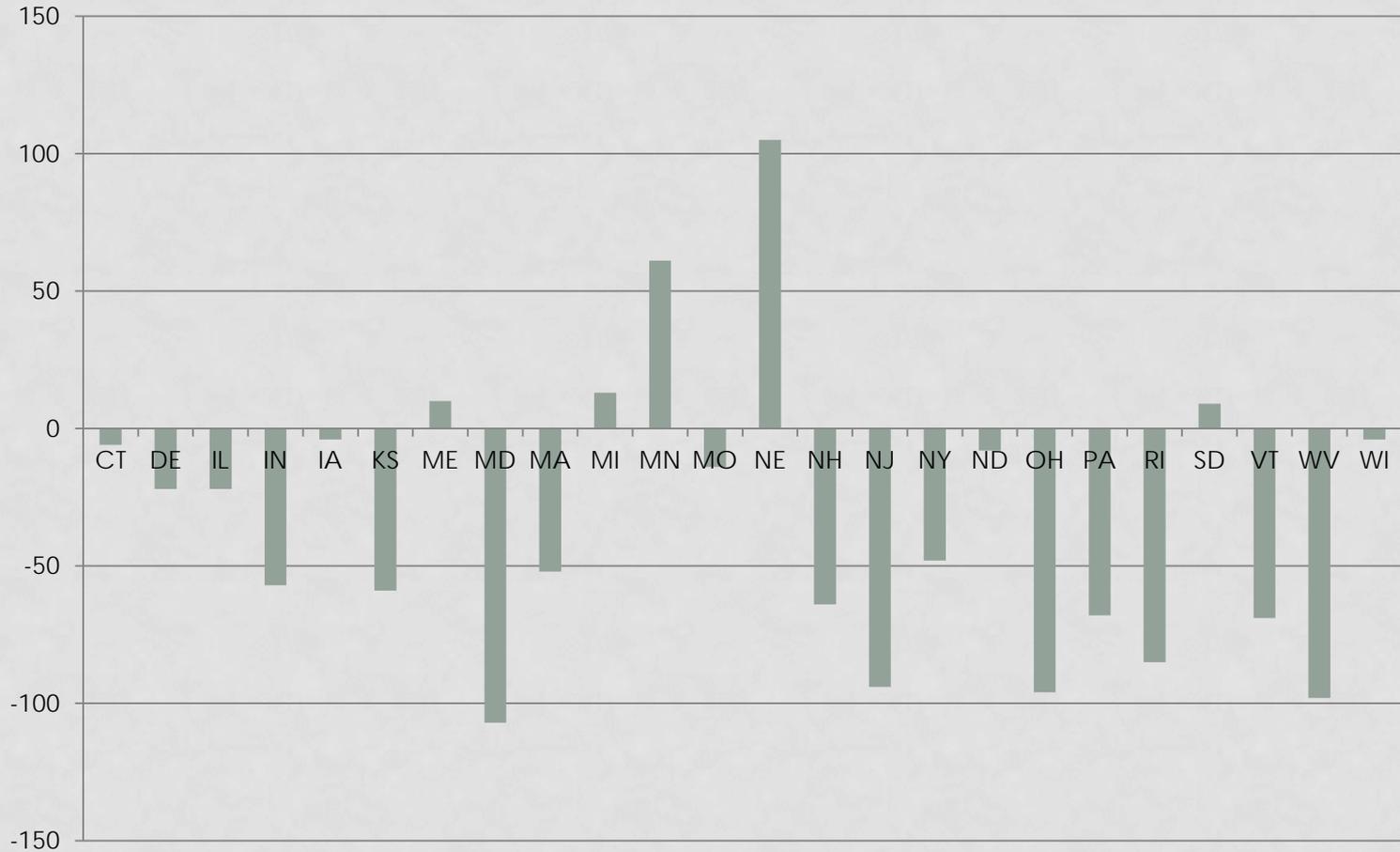
IM FY 2014 PLANS

- Continue effort to get National Woodland Owner Survey (NWOS) data under the National Information Management System (NIMS) umbrella.
- Timber Products Output (TPO) – so close to NIMS-ification
- Continue efforts on Growth, Removals, and Mortality (GRM) for trees 1.0 inch DBH and larger on Forestland
- Migrate to Oracle 11g
- Urban inventory

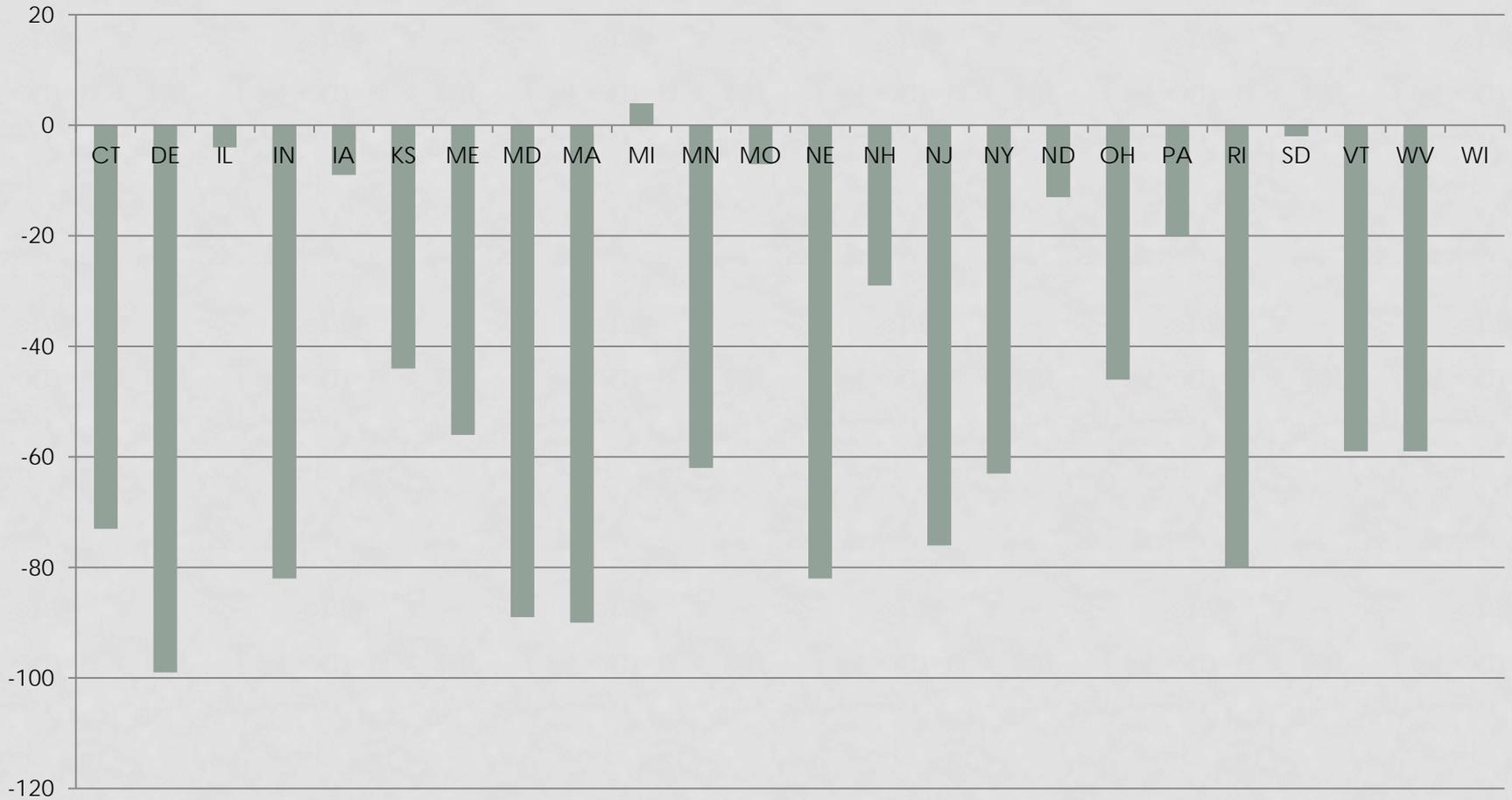
IM FY 2015 PLANS

- Continue effort to NIMS-ify National Woodland Owner Survey (NWOS).
- Timber Products Output (TPO) – so close to NIMS-ification. Testing is happening!
- Continue efforts on Growth, Removals, and Mortality (GRM) for trees 1.0 inch DBH and larger on Forestland.
- Migrate to the USDA Data Center?!?
- Urban inventory
- Begin programming for Field Guide 7.0

DEVIATION FROM 4 MONTH PROCESSING GOAL FY2011



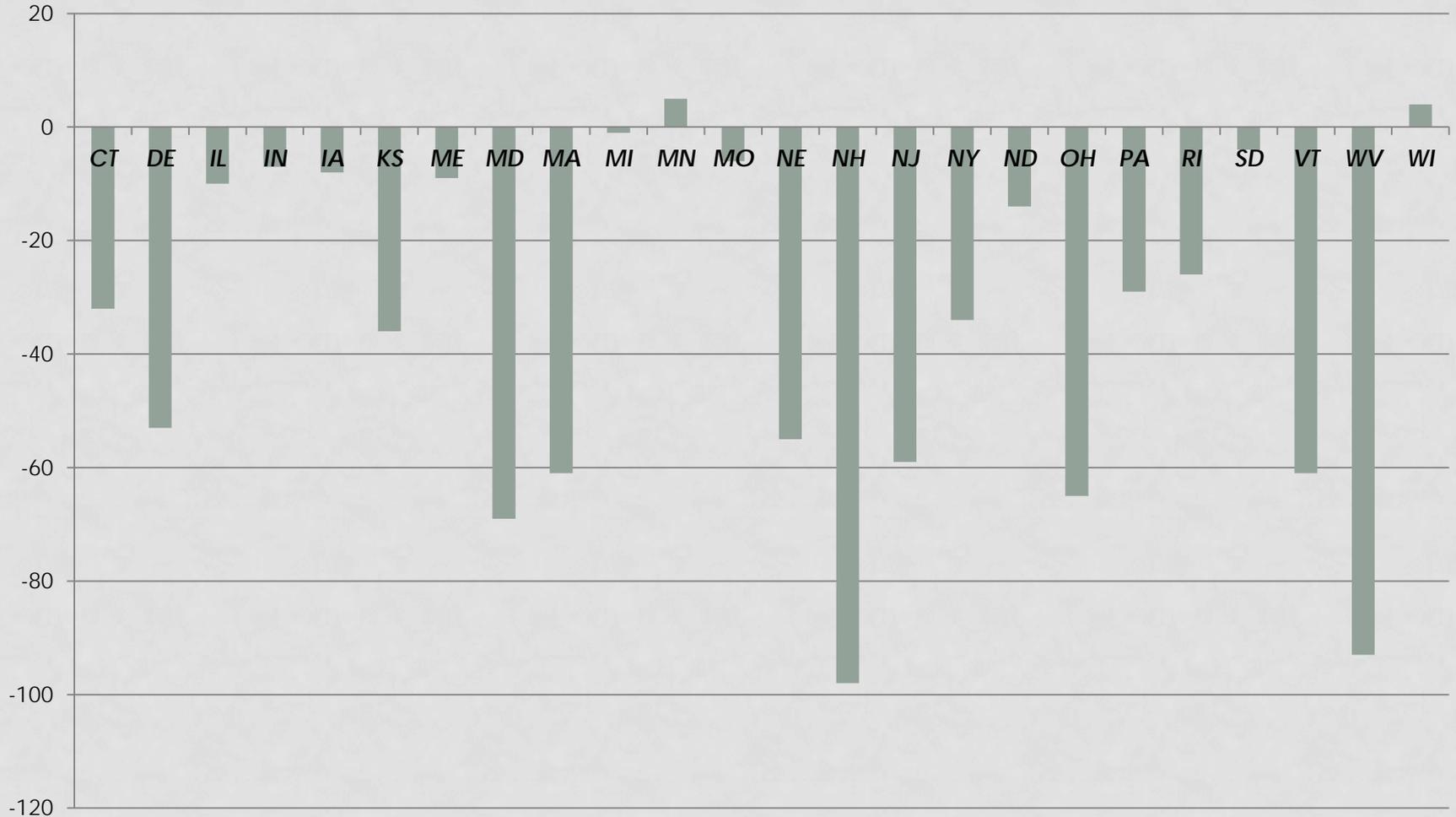
DEVIATION FROM 4 MONTH PROCESSING GOAL FY2012



DEVIATION FROM 4 MONTH PROCESSING GOAL FY2013



DEVIATION FROM 4 MONTH PROCESSING GOAL FY2014



QUESTIONS?

MORE ON ACCOUNTING

Only for growth – mortality and removals are events, there is no measure over time or midpoint.

Only for annual to annual remeasurement plots.

***Net growth that occurred between time 1 and time 2 accounting for volume that moves into (+) and out (-) of a given class or classes, e.g., tree diameter class. ***

Traditional FIA scripts do not account for volume shifts across classified attributes (e.g., stand-size or age class) that can change value between time 1 and time 2. They summarize the difference in volume on individual trees between time 1 and time 2 and assign this difference to either the previous or current classification.

Accounting method distributes net growth to the initial and final classes such that subtracting removals results in a pattern of annual net change closely reflecting the change between inventories.

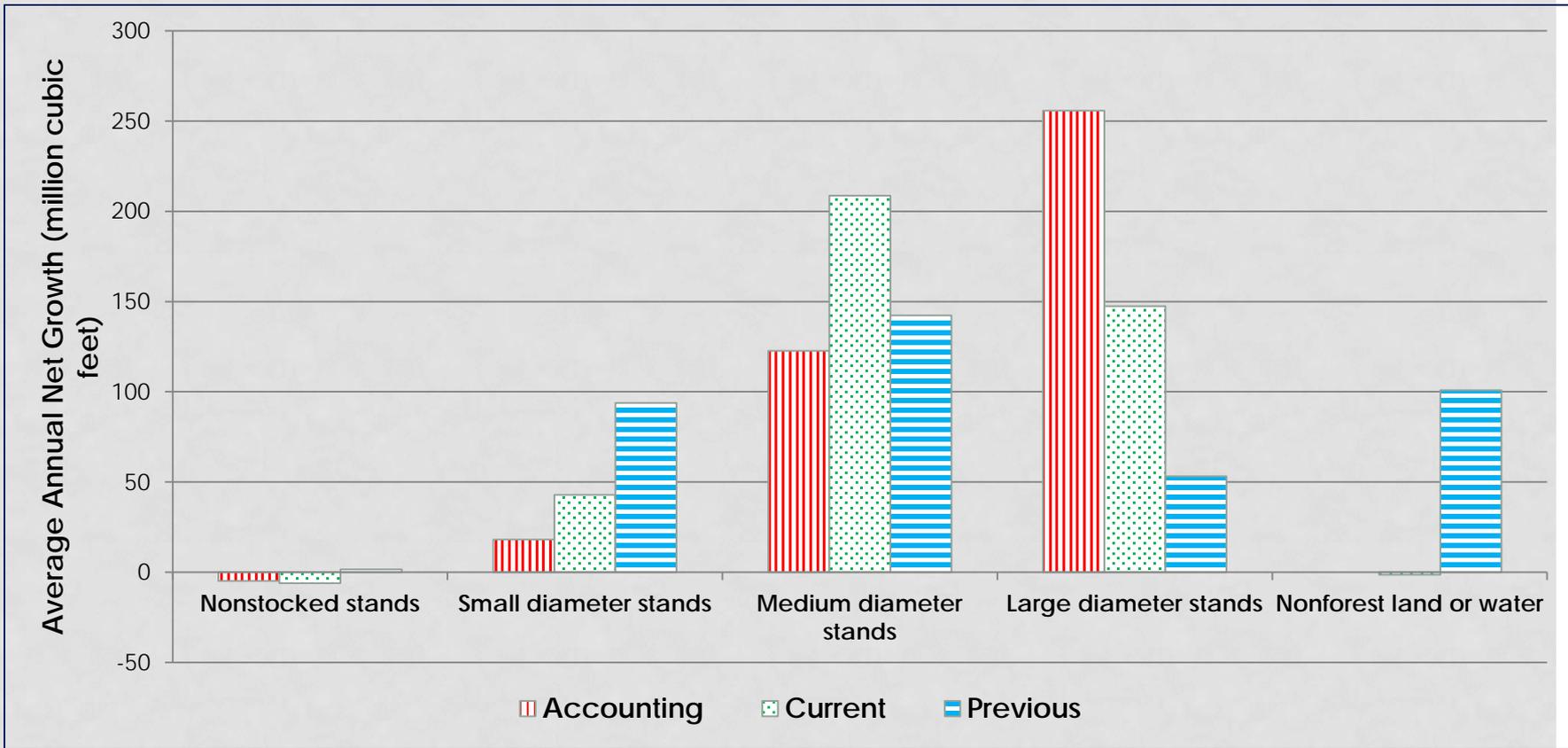
Net growth reporting – When to use the previous, current, or accounting temporal basis?

The question at hand may determine the method employed.

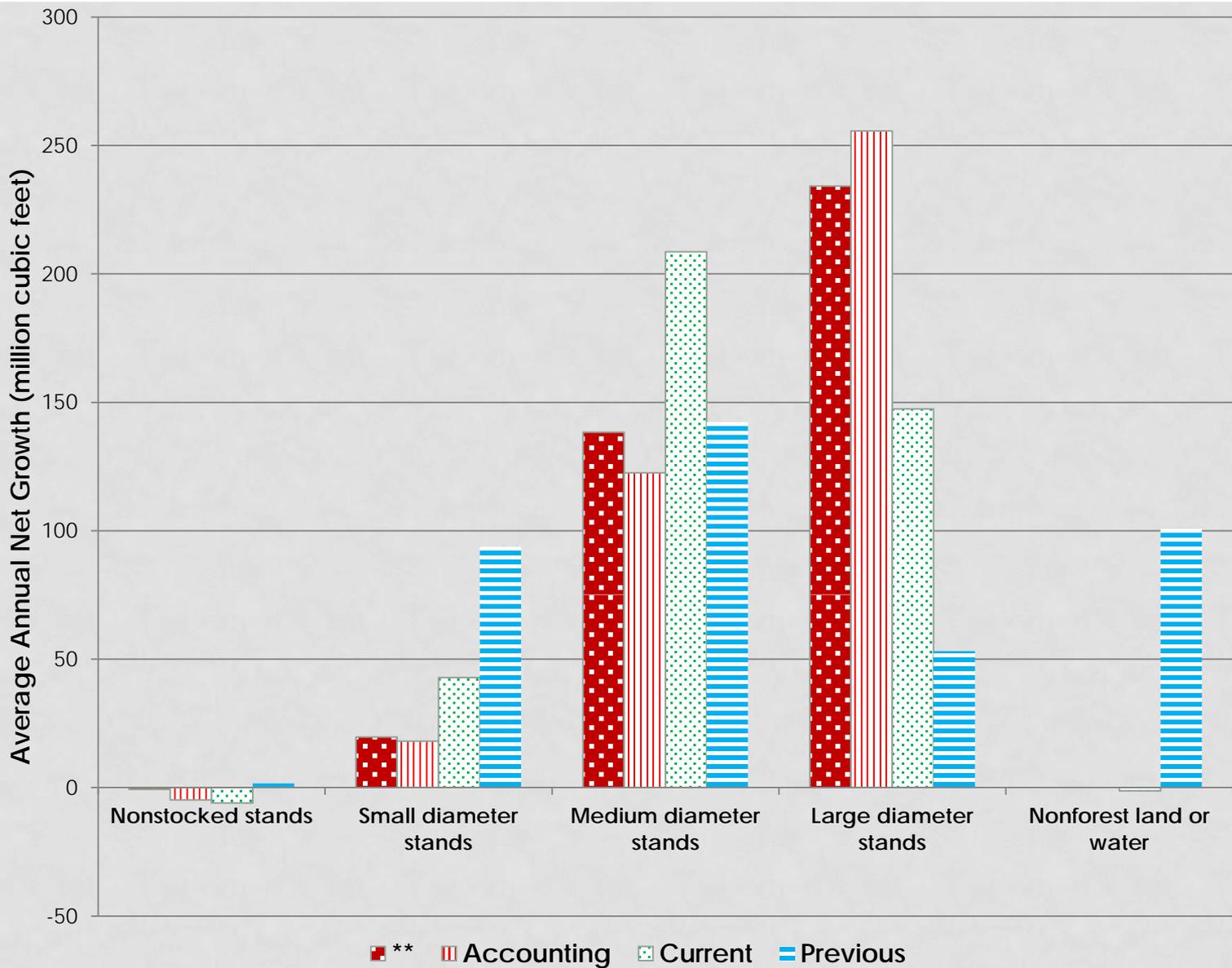
- Net growth on stands formerly nonstocked at time 1? – report by previous
- Net growth that occurred on stands between time 1 and time 2? – report by accounting
- Net growth on forest land currently in private ownership? – report by current

Or the need for temporal comparisons dictate the method.

- Most net growth estimates in historical reports were summarized by current attribute values
- Tables will be produced using the accounting method and will be required with the published annual report. The tables summarizing by previous attribute values will also be available as an option.



DESCRIPTION	Example 4.16 ESTIMATE_ACCOUNTING	Example 4.14 ESTIMATE_CURRENT	Example 4.15 ESTIMATE_PAST
Nonforest land or water	0	-1,307,392	100,792,524
Large diameter stands	255,647,327	147,444,679	53,137,114
Medium diameter stands	122,604,649	208,622,122	142,269,318
Small diameter stands	18,103,383	42,857,128	93,771,161
Nonstocked stands	-4,778,189	-6,039,360	1,607,059
SUM	391,577,170	391,577,177	391,577,176



** Difference between volume estimates at time 1 and time 2 based on current samples from respective inventories plus removals (removals estimated from the remeasurement sample from time 1 to time 2).