

PROGRAM DESCRIPTION

Agriculture
Weights, Measures & Consumer Protection
Grain Moisture Meter

HB Section(s): 6.105

1a. What strategic priority does this program address?

Reach more producers and consumers.

1b. What does this program do?

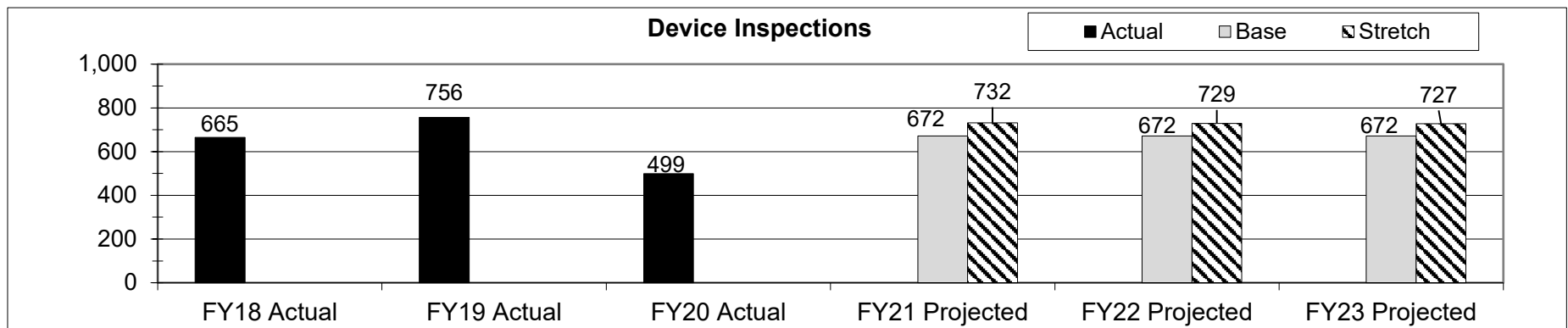
The Grain Moisture Meter Program assures the accuracy of commercial grain moisture meters used to buy or sell grain commodities in the state. According to the Missouri Agricultural Statistical Services the estimated value of grains produced in Missouri is almost \$5 billion annually. If all devices are inaccurate by 1% moisture, the price of grain is affected by \$100 million annually. The program objective:

- Ensure the accuracy of commercial grain moisture meters used to buy or sell grain commodities in the state;
- Provide accurate grain samples for use as field reference standards to test and inspect grain moisture meters;
- Implement a field inspection program for grain moisture meters;
- Implement and maintain current USDA/GIPSA approved procedures for determining grain moisture content;
- Maintain the integrity of grain samples according to USDA/GIPSA approved handling and storage methods;
- Protect laboratory measurement and test equipment from damage and exposure to harmful environmental effects;
- Assure the quality of the grain samples through continuous training and participation in inter-laboratory comparison.

2a. Provide an activity measure for the program.

Grain Moisture Meter Program FY2020 Activities:

- Annually issue some 365 moisture meter registration renewal notices to device owner/operators then mail out registration certificates after payment;
 - Maintain the moisture meter registration and inspection database;
 - Clean bulk grain stores and sort by moisture content then catalog, label, and store them in the cooler for use until next harvest;
 - Prepare grain samples each month for use as field reference standards to inspect commercial moisture meters (estimate: 240 samples annually).
- | | | | |
|------------------------|---------------------------|-------------------------|--|
| 2 - low moisture corn | 2 - low moisture soybean | 2 - low moisture wheat | 2 - low moisture rice (3 months only) |
| 2 - high moisture corn | 2 - high moisture soybean | 2 - high moisture wheat | 2 - high moisture rice (3 months only) |



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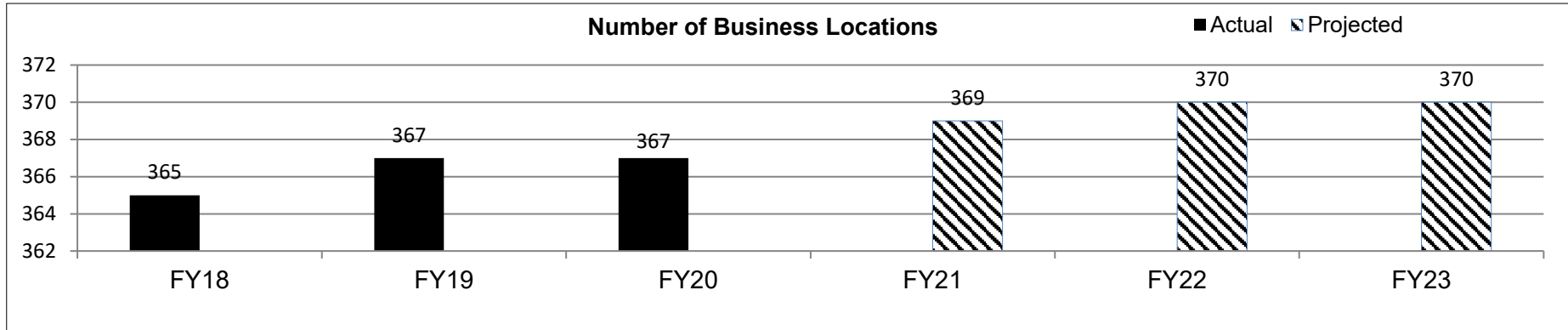
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2a. Provide an activity measure for the program (continued).

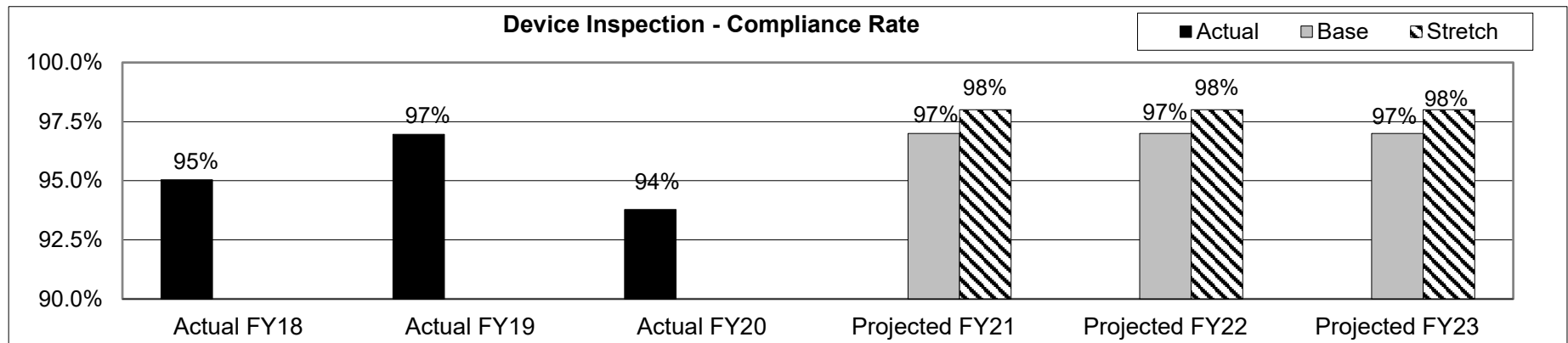


2b. Provide a measure of the program's quality.

FY18 was the first year customer satisfaction was surveyed.

- Goal is to maintain a base average satisfaction rating of 97.0% with a stretch target of 98.0%.

Customer Satisfaction Survey	Actual	Actual	Actual	Projected	Projected	Projected
	FY18	FY19	FY20	FY21	FY22	FY23
Online Survey (start 2019)	20	365	365	365	365	365
Number Returned	8	96	8%	8%	8%	8%
Satisfaction Percent	98%	96%	97%	97%	97%	97%



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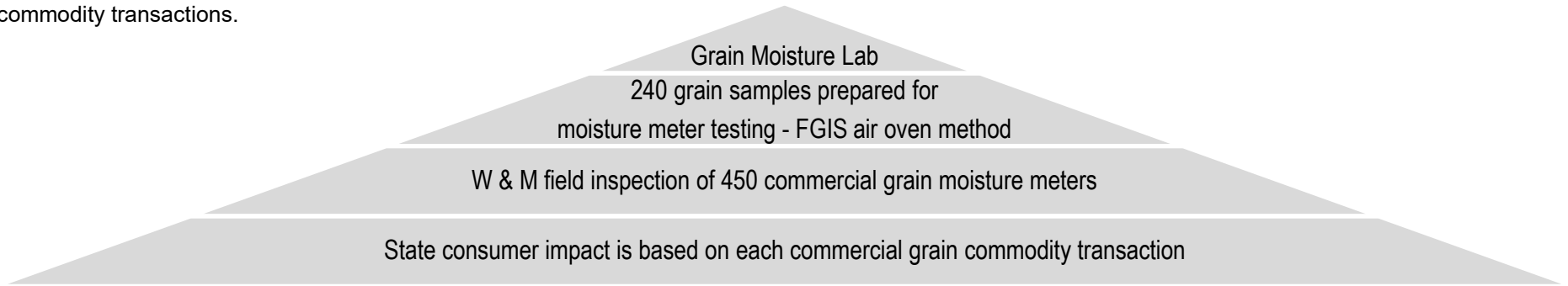
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2c. Provide a measure of the program's impact.

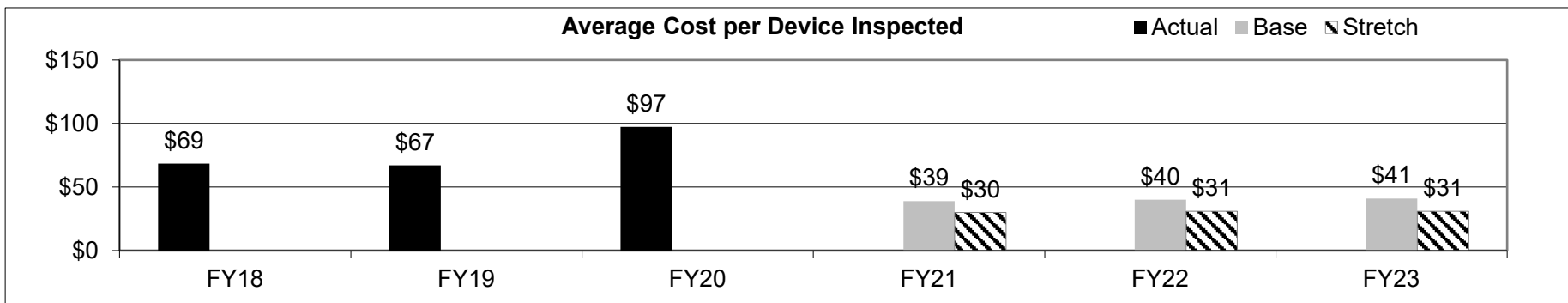
The grain samples prepared by department of agriculture grain moisture laboratory have a leveraging effect/impact. Every grain commodity bought or sold in Missouri traces back to the measurements made by the grain moisture laboratory. The following graphic depicts the grain moisture lab in reference to all grain commodity transactions.



2d. Provide a measure of the program's efficiency.

Bench Mark Comparison Estimates	Missouri	Arkansas	Iowa
Inspection cycle	Annual	Annual	Annual
Number of commercial moisture meters	450	270	1,268
Number of inspectors	1.25	1	8
Annual number of samples prepared	240	176	200
Samples per inspector	168 & *72	176	25
Annual number of meter inspections	439	299	1291
Inspections per inspector	364 & *86	299	161

**Note: In the last quarter of 2018 we added a part time inspector in order to help meet our 98% inspection goal*

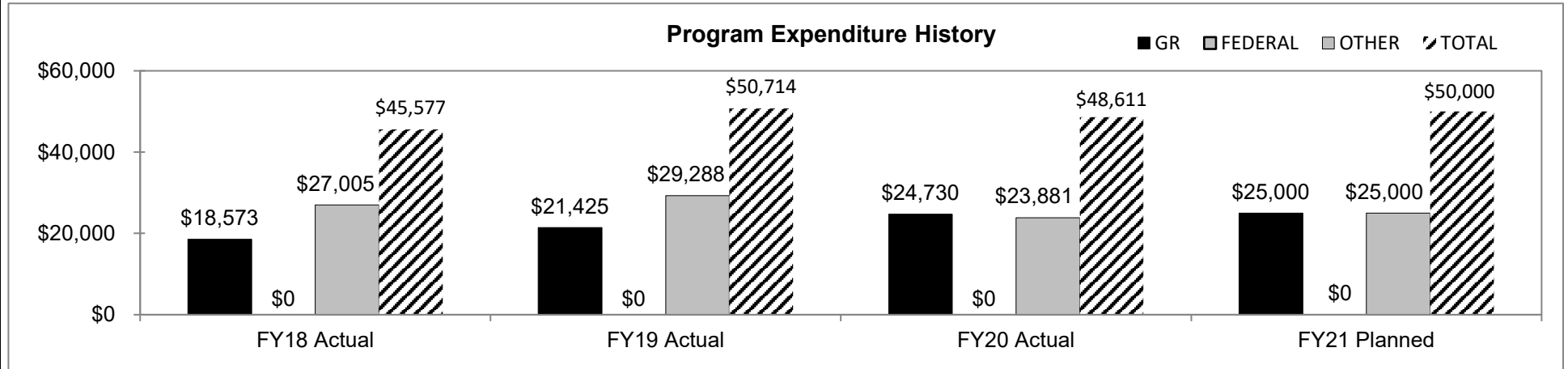


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3. Provide actual expenditures for the prior three fiscal years; planned expenditures for the current fiscal year. (Note: Amounts do not include fringe benefit costs.)



4. What are the sources of the "Other " funds?

Ag Protection Fund (0970)

5. What is the authorization for this program, i.e., federal or state statute, etc.? (Include the federal program number, if applicable.)

Chapter 413.015.(1),413.065.(7) RSMo

6. Are there federal matching requirements? If yes, please explain.

No

7. Is this a federally mandated program? If yes, please explain.

No