



# Cooperative Observer Program Updates

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June 2024

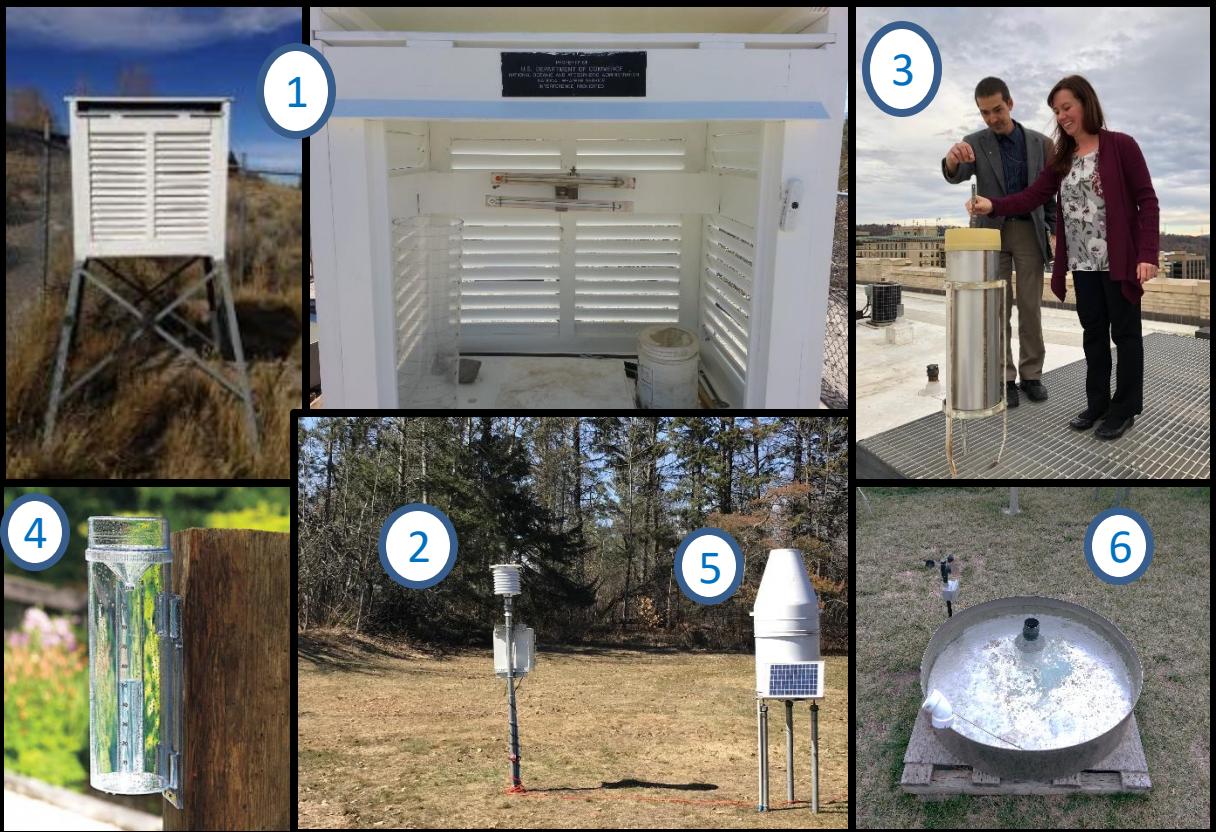


# COOP Overview



## Equipment used to measure temperature

- 1) Liquid-in-Glass (LIG) thermometers housed in a Cotton Region Shelter (CRS)
- 2) Max/Min Thermometer System (MMTS)



## Equipment used to measure precipitation

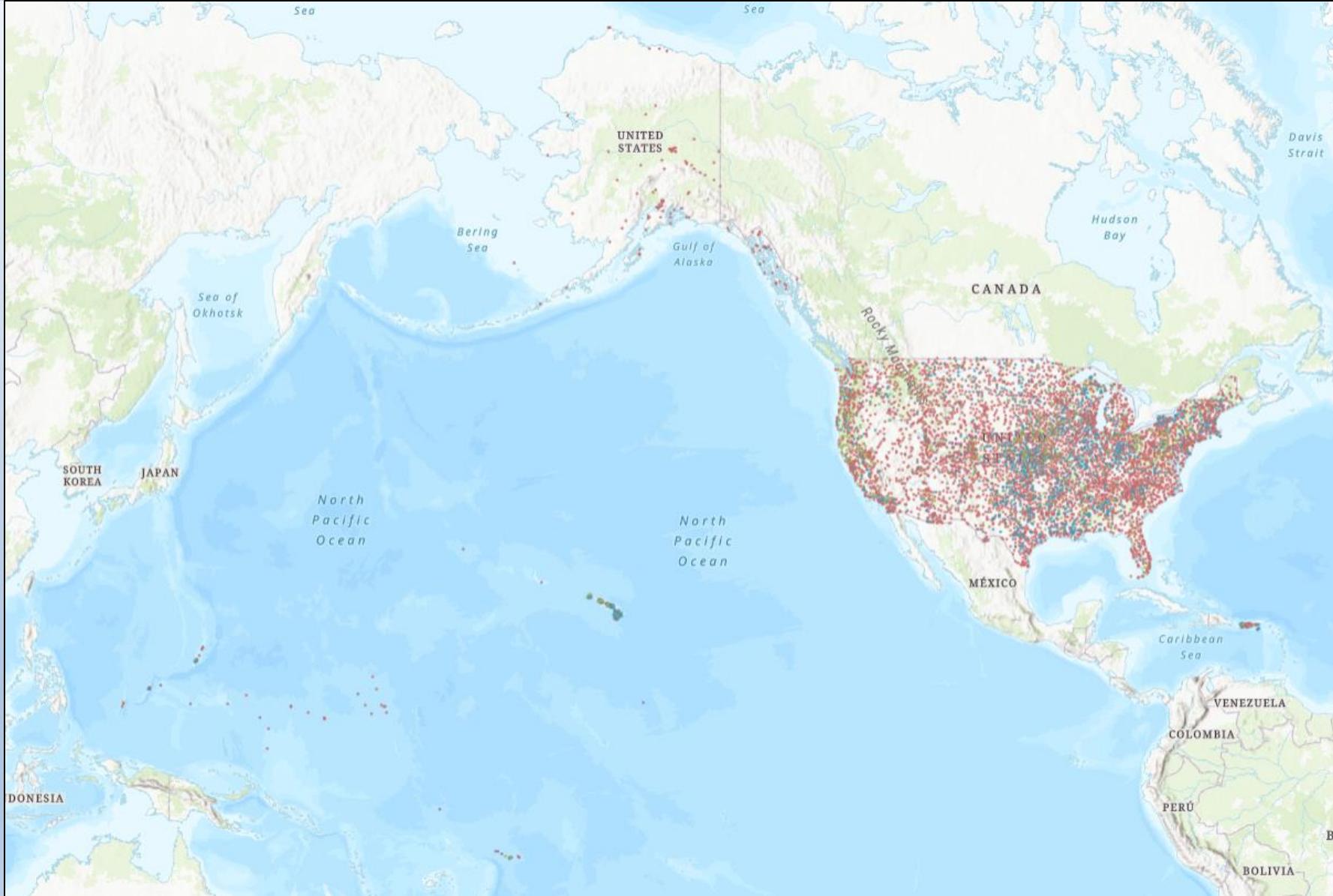
- 3) Standard 8" Rain Gauge (SRG)
- 4) Plastic 4" Rain Gauge
- 5) Fisher-Porter Rain Gauge



## Other equipment used to measure snowfall, snow depth, evaporation (6), and other hydrological elements



# COOP Overview



## Legend

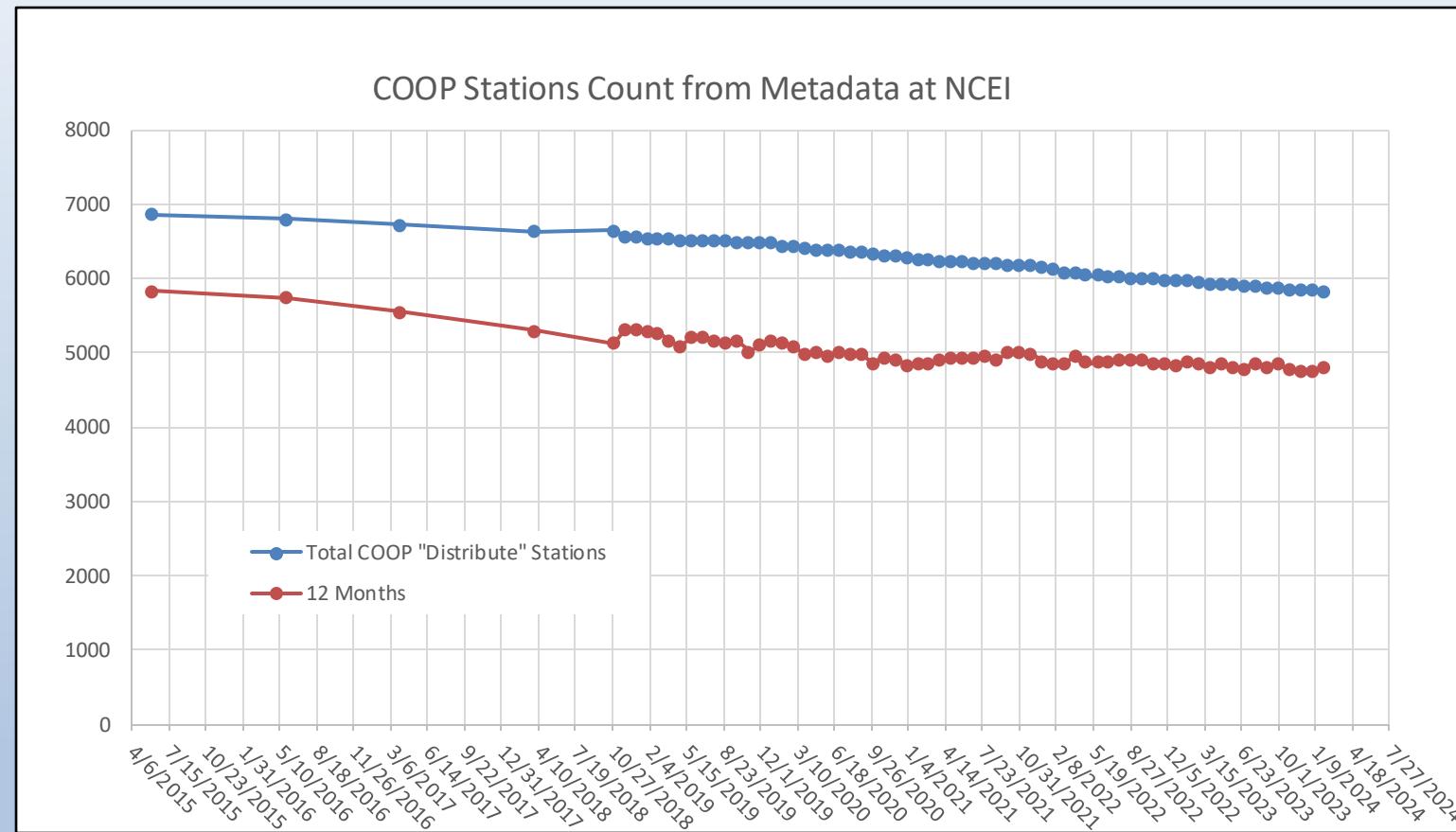
### COOP sites 2023

- A\_Network
- PCN
- SUP
- TMP





# NWS COOP Program Updates



Graph of daily reported observations (blue) and stations turning in all "12 months" (red) of observations (2014-2024), does not include hourly precipitation data from Fischer Porter Rain gauges (total ~1800 sites receiving regular monthly reports from ~1100)  
Data courtesy of NCEI.

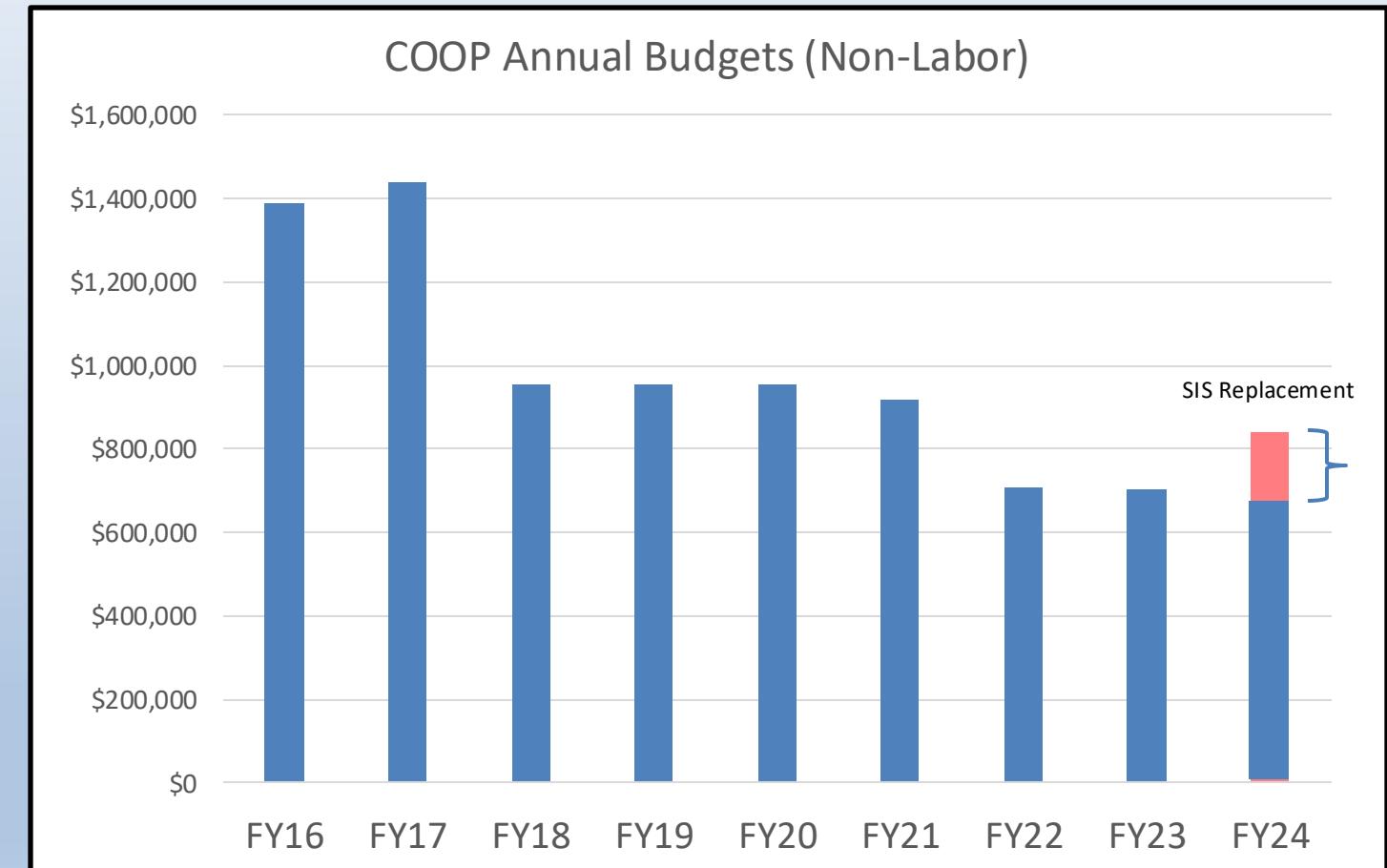
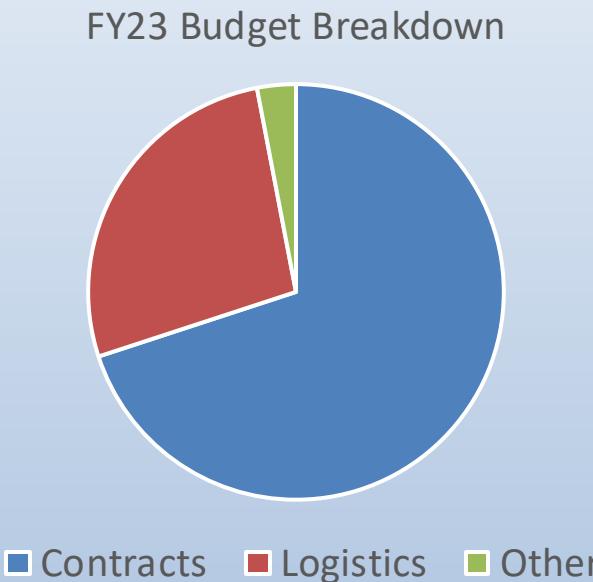




# NWS COOP Program Updates



## History of COOP HQ O&M Budget

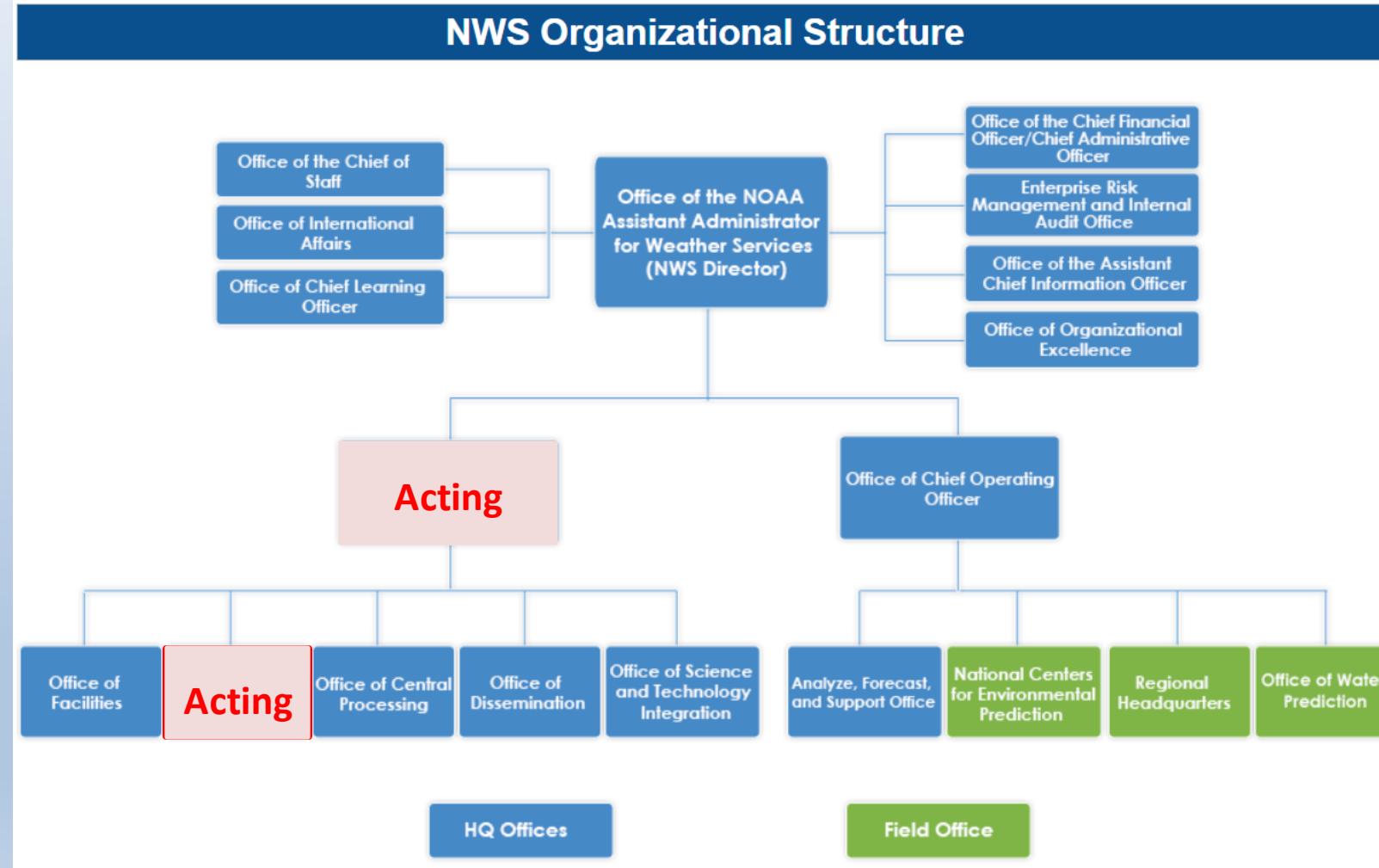




# NWS COOP Program Updates



## Recent Activities: National COOP Plan...





# NWS COOP Program Updates

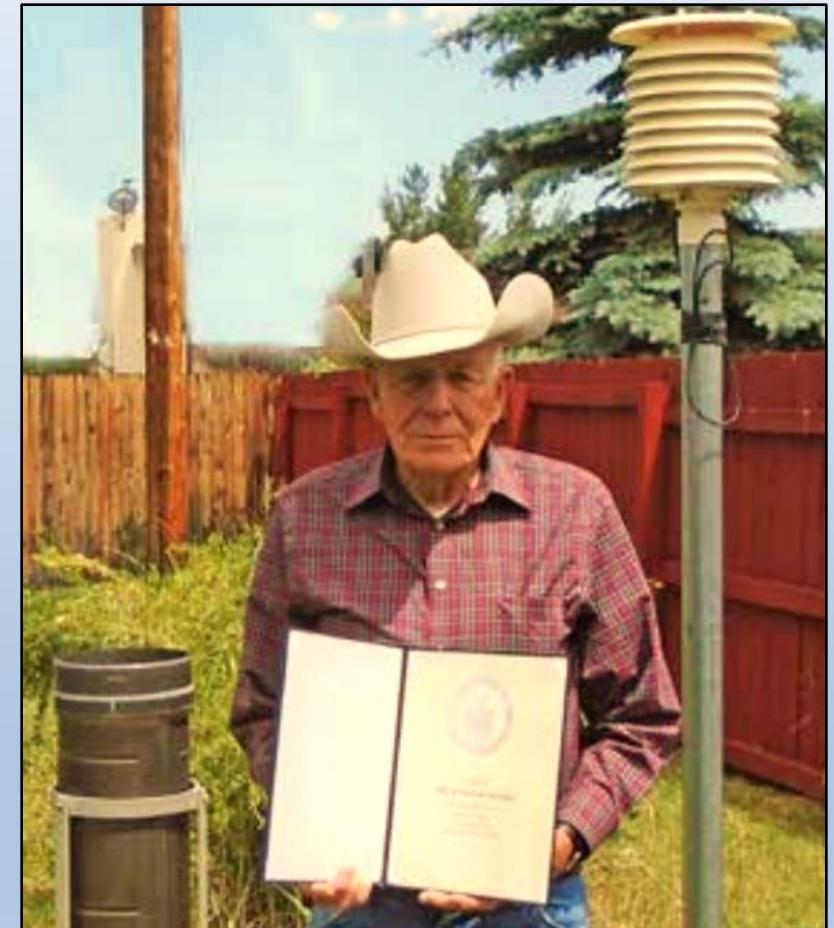


## Recent Activities: National COOP Plan

- Four priorities
  - New instrument selection
  - New software system
  - Workforce
  - Volunteer
- Draft Completed Summer 2020
- Briefed Office of Observations July 14, 2020
- Briefed Office of Observations August 30, 2021
- Briefing Admin Office of Observations June 6, 2022
- Follow-up conversations 2022
- Request for routing for official approval December 2022

SUAD Division Chief Hired – December 2022

**New plan to be drafted by 30 June 2024**



Volunteer at Yampa, CO receiving service award





# NWS COOP Program Updates



## Recent Activities: National COOP Plan

- Current Activities
  - Cont. Baseline program – **SIS Accounts**
  - Cont. Market Research for network integration of COTS solution
  - Cont. Workforce – OPLs are being hired
  - Cont. Seeking funding opportunities
- AND
- **Replacing our Metadata System (SIS)**



Photos are not a vendor endorsement



NEW

# NWS COOP Program Updates



## Recent Activities: Replacing Station Information System (SIS)

- Current Activities -Replacing our Metadata System (SIS)
  - Updating Station Renditions (focusing on outdated metadata)
  - Preparing database for migration to new system
  - Merging WxCoder Accounts with current SIS Account
  - Developing new solution with WRCC/DRI – **STAMS** (Station Metadata System)
  - Coming 30 June 2024!!
- Additionally, working with ASOS PMO and NCEI to link their metadata databases to provide all metadata for ASOS sites
- What this means for you – better metadata

SIS

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