



# California Water Commission SWP Safety Update

February 2025



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# Safety Progression Since 2007



- **Creation of the DWR Safety Office**
  - Safety Manager
  - Safety Engineers
- **Addition of Safety Engineers for the State Water Project**
  - 5 Field Divisions
  - Sacramento Headquarters
  - Division of Engineering
  - Division of Integrated Science and Engineering
- **Safety Policy Development**
  - Code of Safe Work Practices (CSWP)
  - Safety Training (ST)
- **Safety Document Development**
  - Pre-Work Safety Plans (PWSP)
  - Job Hazard Analysis (JHA) - Recently Integrated to Mobility
  - Standard Procedures (SP)

# Safety Metrics Tracking



- **Conduct Audits (based on ST-21 requirements)**
  - **Field Divisions**
  - **Safety Committees**
  - **OP-2 (Monthly and Annual)**
  - **ST-19 and ST-26 (Grounding & Arc Flash Boundary)**
  - **DWR Safety Office (Annual Risk Assessments)**
- **Action Item Development and Tracking**
  - **Completed Action Items**
  - **In-Progress Action Items**
  - **Not Started Action Items**
- **OSHA 300 Log Injury Tracking**
- **Vehicular Accident Tracking**

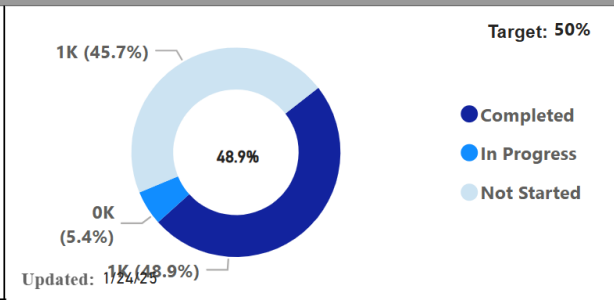
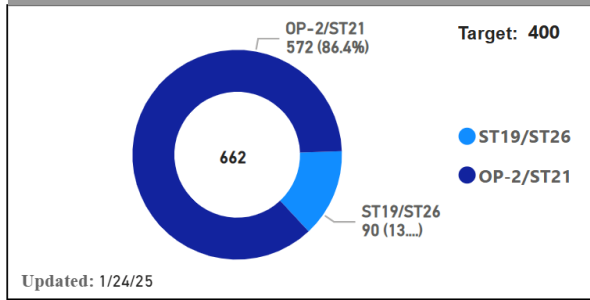
ST = Safety Training    OP = Operations

# 2024 Safety Metrics

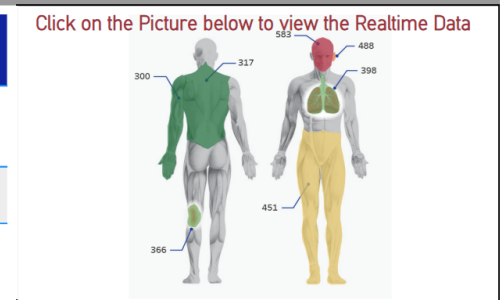


## Safety

Owner: Bryan Coulter



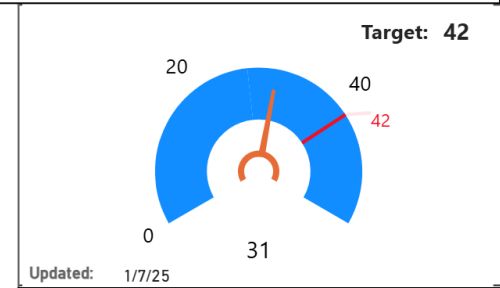
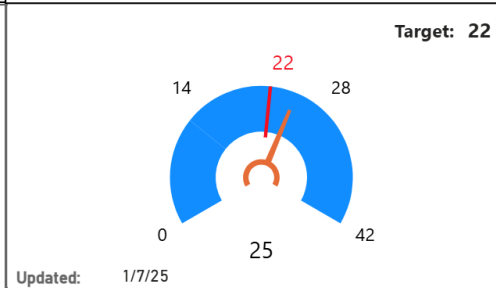
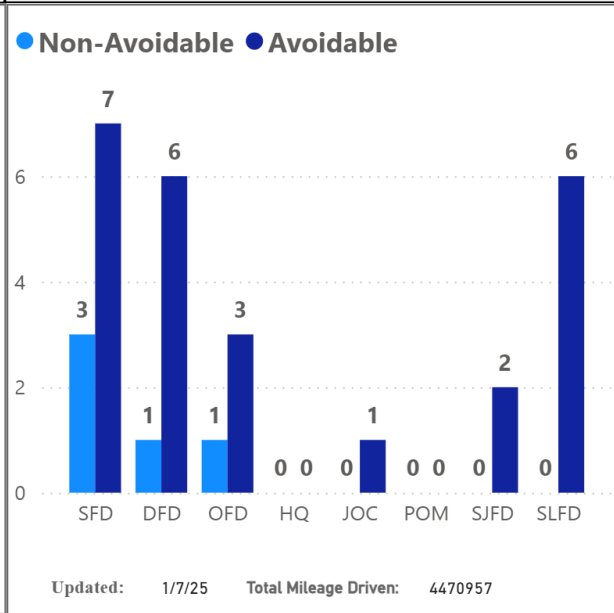
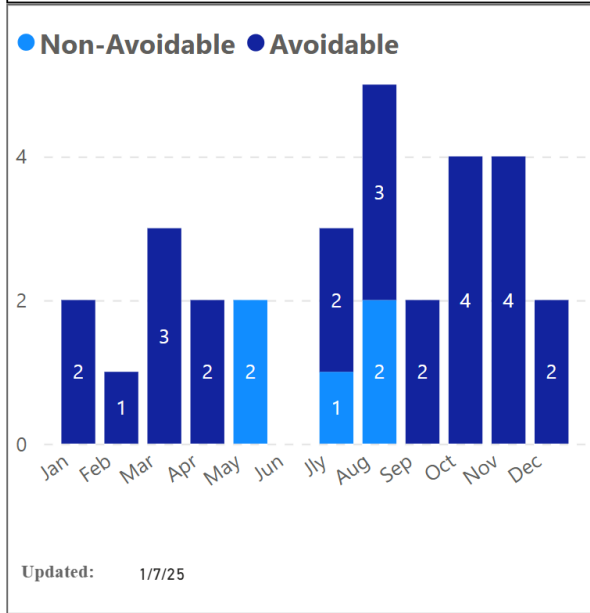
Power Generation Industry	TRIR	DART
Private Sector HEP Generation (22111)	1.50	1.10
Government Utilities (2213)	4.90	2.90
DWR O&M	2.50	1.50



### Audits Completed

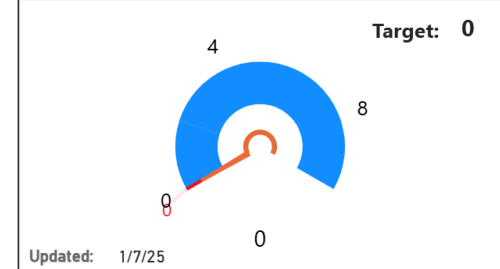
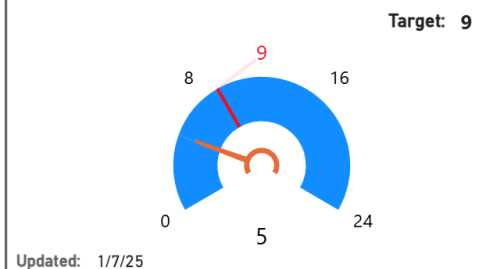
### Action Items Completed

### O&M OSHA 300 Log Injuries by Field Division (In alignment with the DWR overarching injury & illness reduction plan)



### Total Avoidable Accidents

### Form 300 Incidents (Recordable)



Vehicle Avoidable & Non-Avoidable Accidents by Month

Vehicle Avoidable & Non-Avoidable Accidents by Field Division

Total Non-Avoidable Accidents

Form 300 Incidents (Reportable)



# 2023 vs. 2024 Safety Metrics

Increased participation in Audits and Action Items

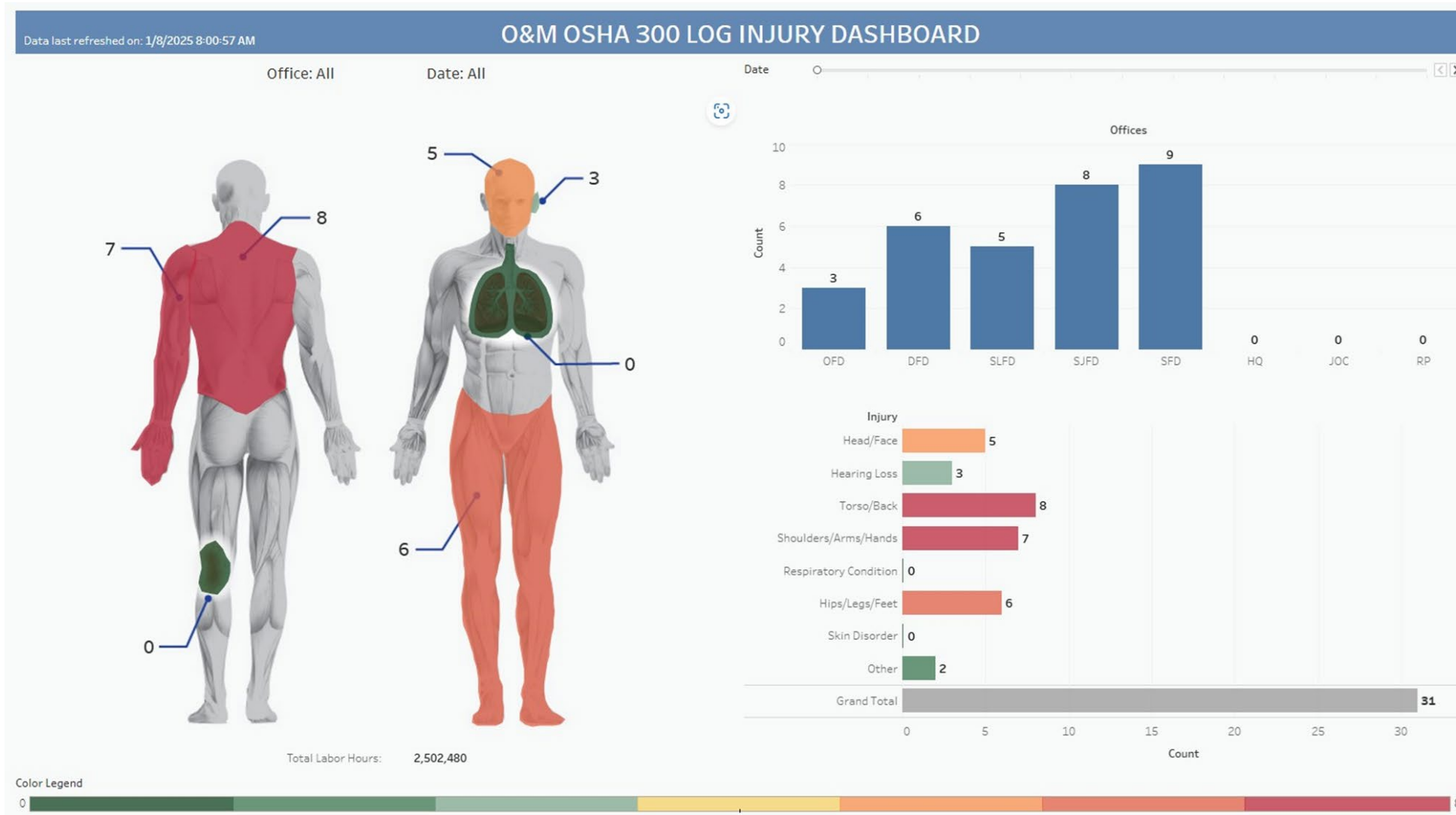
	2023	2024
<b>Audits Completed</b>	450	662
<b>Action Items Completed</b>	335	1163
<b>Action Items In Progress</b>	206	128
<b>Action Items Not Started</b>	343	1087
<b>Vehicle Accidents - Avoidable</b>	25	25 <sup>2</sup>
<b>Vehicle Accidents - Non-Avoidable</b>	14	5 <sup>2</sup>
<b>OSHA 300 Recordable Injuries</b>	55	31 <sup>1</sup>
<b>OSHA 300 Reportable Injuries</b>	1	0

2,502,480 hours worked <sup>1</sup>

4,470,957 miles driven <sup>2</sup>



# Form 300 Reportable Incidents



# 2023 vs. 2024 DART & TRIR Comparison

	DART <sup>1</sup>		TRIR <sup>2</sup>	
	2023	2024	2023	2024
<b>Government Utilities</b>	2.9	2.9	4.9	4.9
<b>Private Utilities</b>	1.1	1.1	1.5	1.5
<b>DWR O&amp;M</b>	2.8	1.5	4	2.5

<sup>1</sup>Days Away, Restricted, Transferred (DART) \*Recordable injuries resulting in medical restrictions for every 200,000 hrs worked.

<sup>2</sup>Total Recordable Incident Rate (TRIR) \*All recordable/reportable incidents including hearing loss, fatalities, skin disorder, chronic exposures which may not be a DART incident for every 200,000 hrs worked

# Safety Metrics Data Use and Implementation



- Use Safety Metrics to Define Needs
  - Training
    - Injury Reduction
    - Vehicle Accident Reduction
  - Audits
    - Increased audits to include contractors
    - Sustain ST-21 audits throughout the year
  - Action Items
    - Increase number of Action Items being closed out
    - Track and closeout long-term Action Items requiring additional resources
  - OSHA 300 Log Recordable and Reportable Injuries
    - Reduce the number of injuries
    - Eliminate injuries requiring OSHA notification



# 2025 Safety Metrics



Measures	2025 Targets
Safety - Audits Completed	400
Safety - Action Items Completed	50%
Power Generation Industry Benchmarking	
• Total Recordable Incident Rate (TRIR)	<2.50
• Days Away, Restricted or Transferred (DART)	<1.50
Safety - Form 300 Incidents (Recordable)	<23
Safety - Form 300 Incidents (Reportable)	0
Safety - Vehicle Accidents Avoidable	<22
Safety - Vehicle Accidents Non-Avoidable	<9



*Thank You!*