



Mission Success Starts With Safety



# Construction Safety

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SSC Construction Inspection  
Safety Findings/Stats

January 2016



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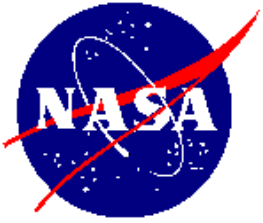
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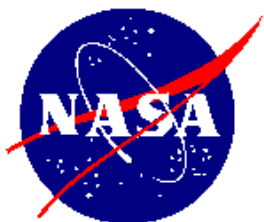


# Construction Safety

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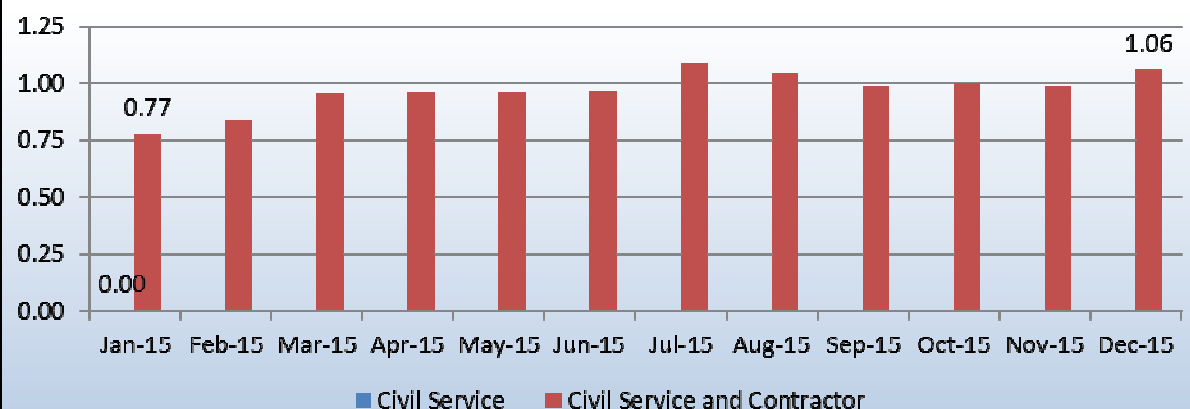
SSC Construction Statistics

# 2015 in Review

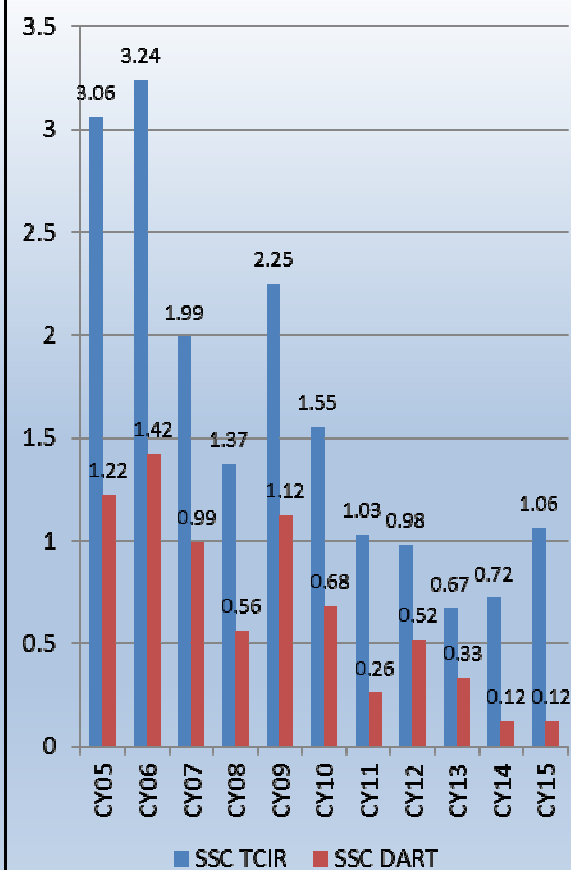


# SSC DART/TCIR

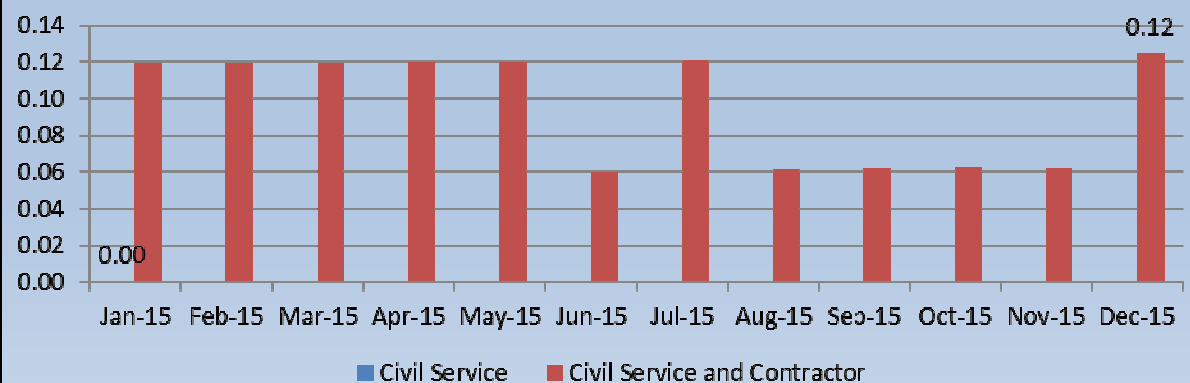
**Total Case Incidence Rate**

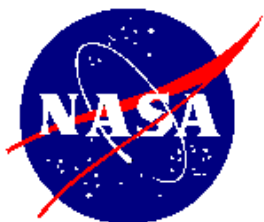


**SSC TCIR/DART History**

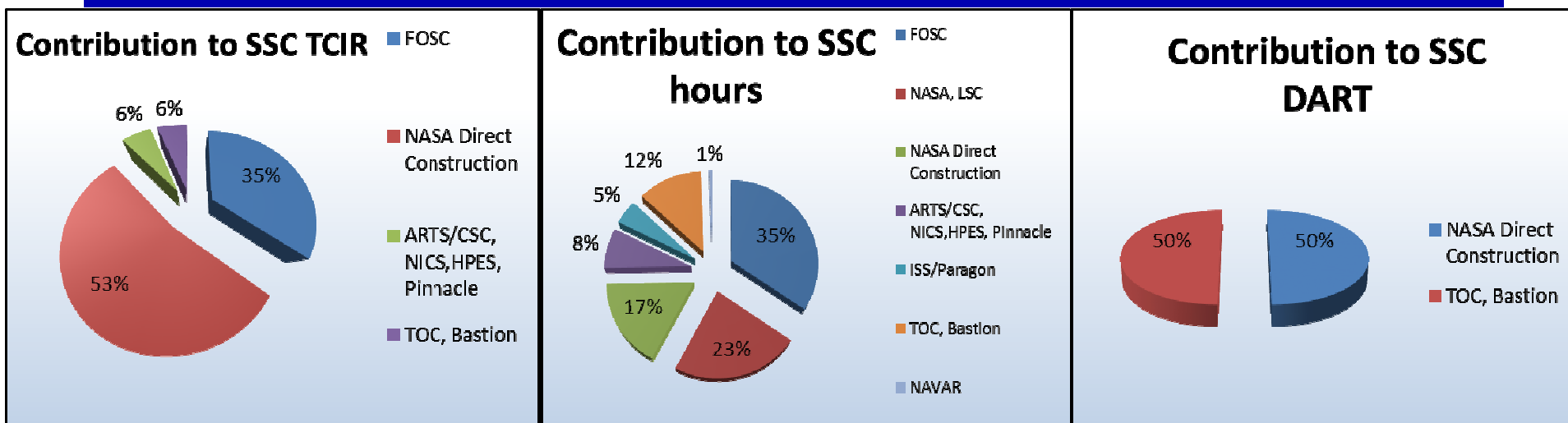


**Days Away Restricted Transfer Rate**



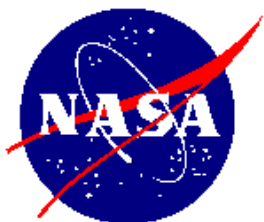


# NAICS Specific SSC DART/TCIR (January 1, 2015 – December 31, 2015)



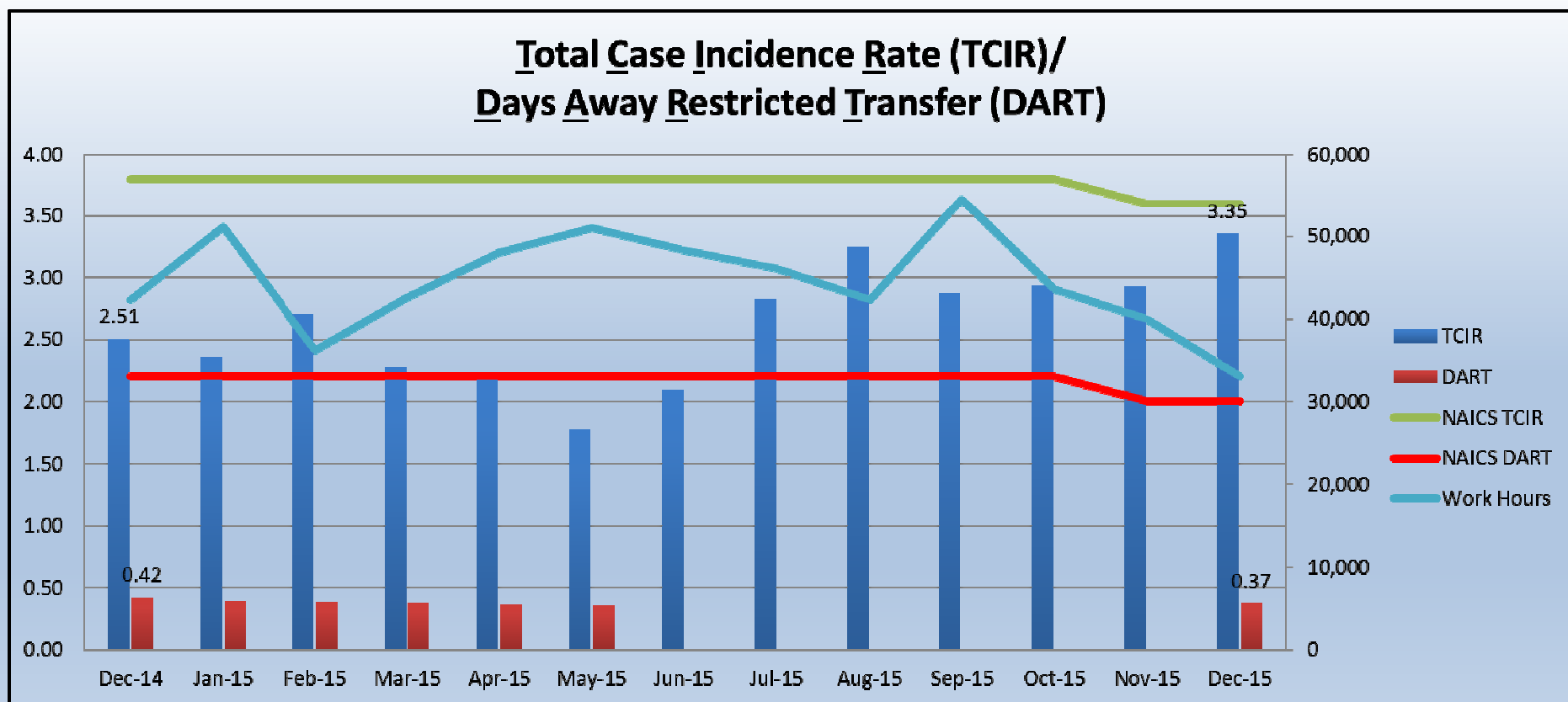
| Organization                  | Total Running Hours/ NAICS | % Contribution to SSC hours | Running Total Cases/ NAICS | Running Dart Cases/ NAICS | Running TCIR | Running DART | 2014 NAICS TCIR (industry average) | 2014 NAICS DART (industry average) |
|-------------------------------|----------------------------|-----------------------------|----------------------------|---------------------------|--------------|--------------|------------------------------------|------------------------------------|
| FOSC                          | 1,098,007.0                | 35%                         | 6                          | 0                         | 1.09         | 0.00         | 3.10                               | 1.50                               |
| NASA, LSC                     | 734,537.0                  | 23%                         | 0                          | 0                         | 0.00         | 0.00         | 1.50                               | 0.80                               |
| NASA Direct Construction      | 536,817.0                  | 17%                         | 9                          | 1                         | 3.35         | 0.37         | 3.60                               | 2.00                               |
| ARTS/CSC, NICS,HPES, Pinnacle | 245,352.0                  | 8%                          | 1                          | 0                         | 0.82         | 0.00         | 0.60                               | 0.20                               |
| ISS/Paragon                   | 147,561.0                  | 5%                          | 0                          | 0                         | 0.00         | 0.00         | 1.80                               | 1.20                               |
| TOC, Bastion                  | 391,161.0                  | 12%                         | 1                          | 1                         | 0.51         | 0.51         | 1.20                               | 0.50                               |
| NAVAR                         | 19,270.0                   | 1%                          | 0                          | 0                         | 0.00         | 0.00         | 0.40                               | 0.10                               |

| LEGEND |  |
|--------|--|
|        | Decreased                              |
|        | Increased, below NAICS (industry avg.) |
|        | Above NAICS (industry avg.)            |



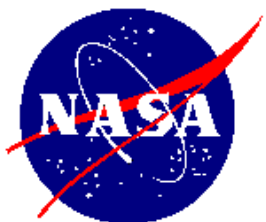
# SSC Construction Metrics

- For the month of November, there were no OSHA recordable injuries in NASA Direct construction. Regarding December, there were 2 OSHA Recordable injuries both hand related. One case was a restricted duty case (Type C).



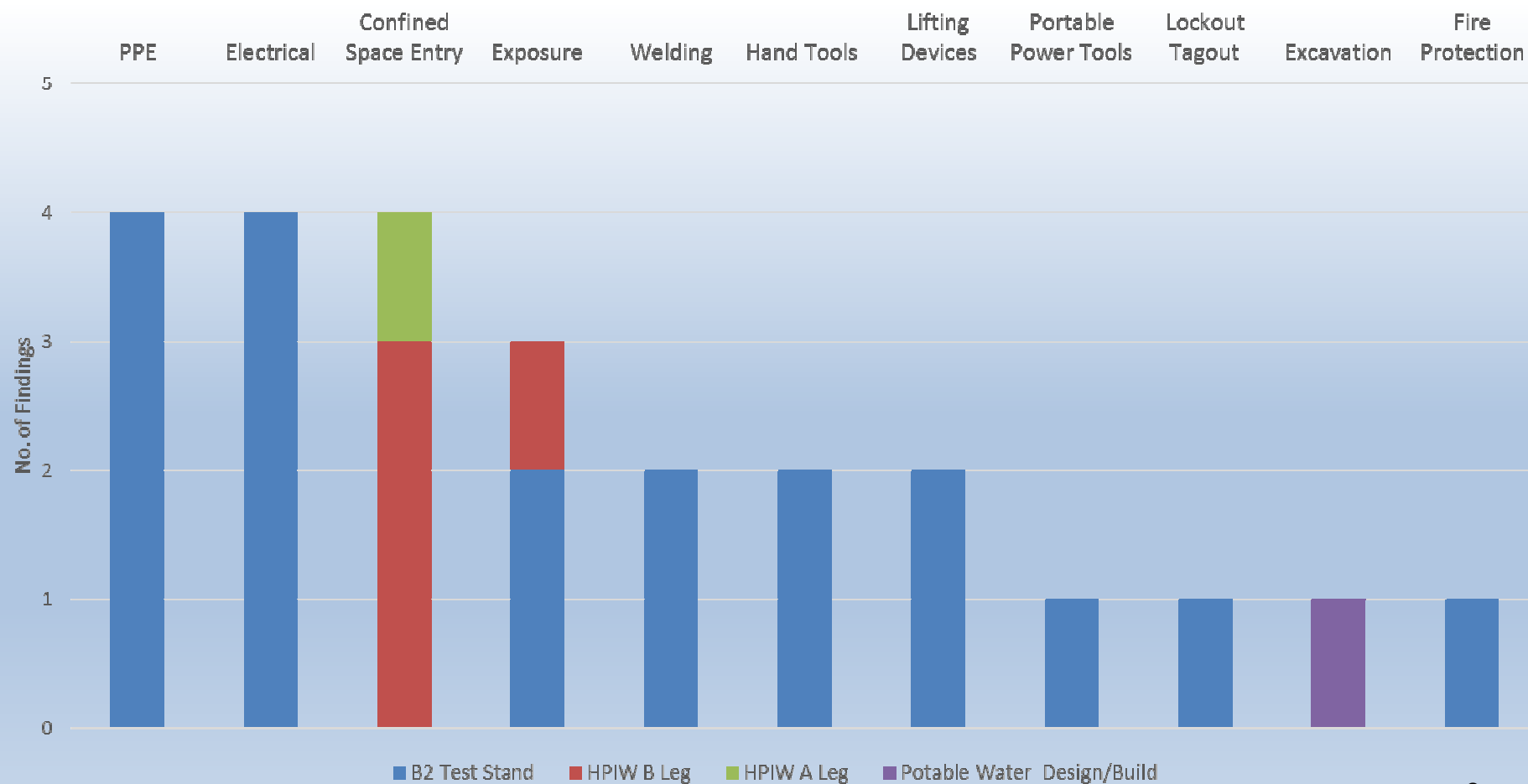
2013 NAICS Industry Code (Construction) TCIR = 3.8  
2013 NAICS Industry Code (Construction) DART = 2.2

2014 NAICS Industry Code (Construction) TCIR = 3.6  
2014 NAICS Industry Code (Construction) DART = 2.0



# SSC Construction Metrics

## 2015 NASA Direct Construction Surveillance Findings

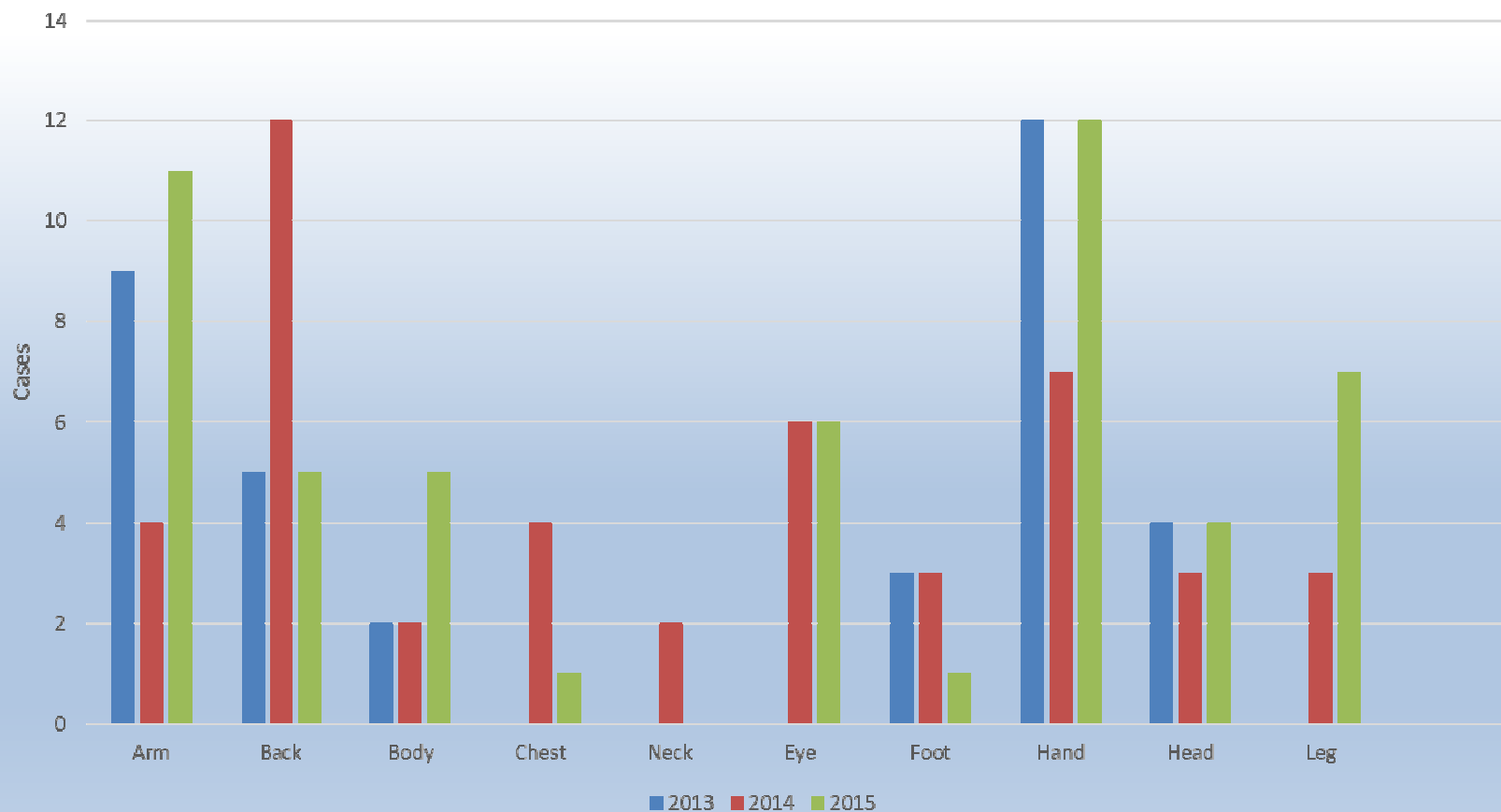


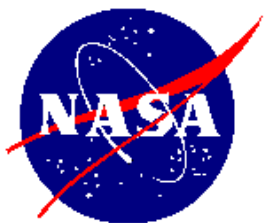




# SSC NASA/NASA Contractor Metrics

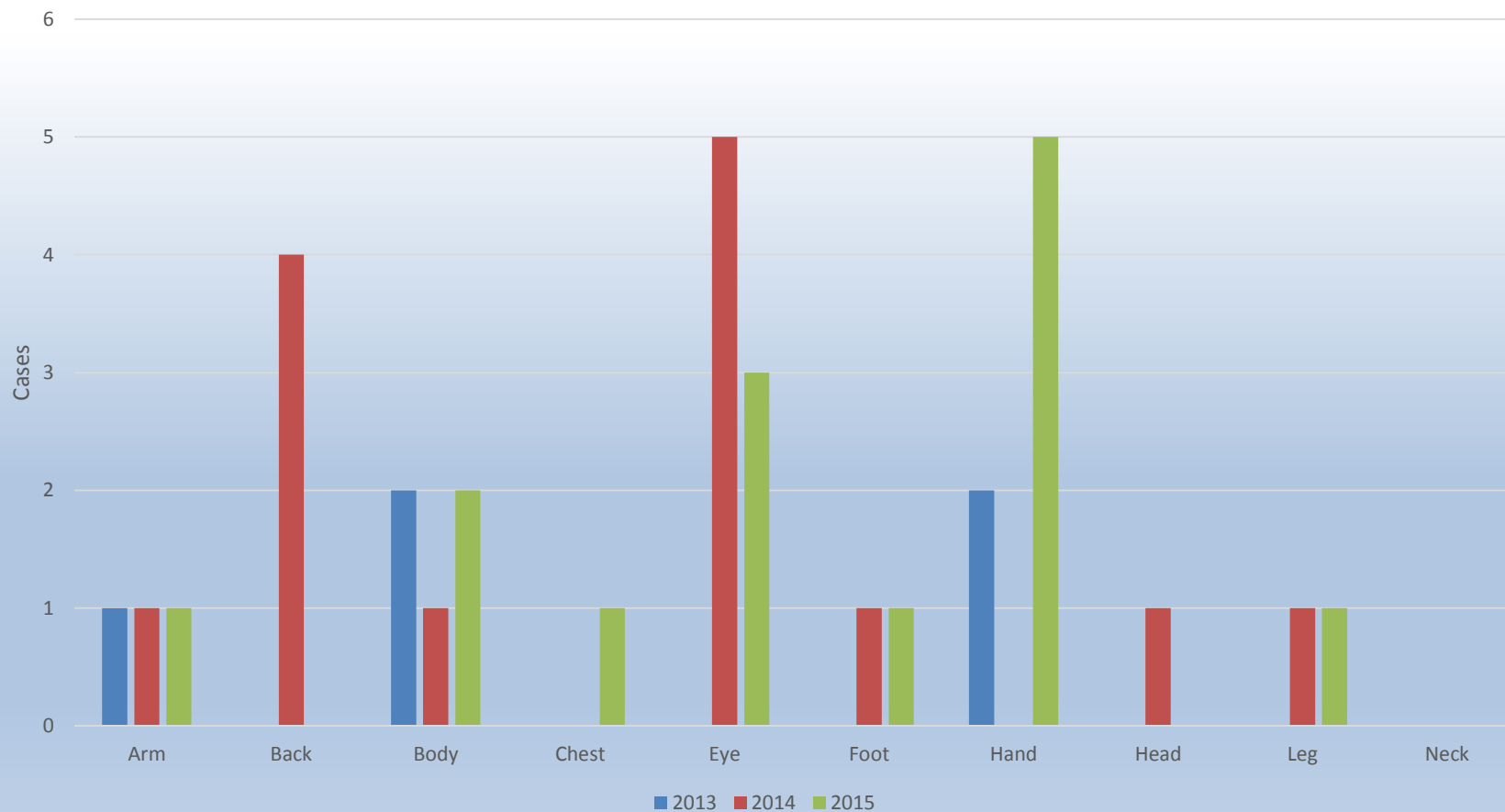
Body Part Total by Year

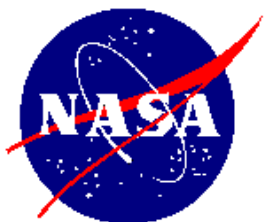




# SSC NASA Direct Construction Contractor Metrics

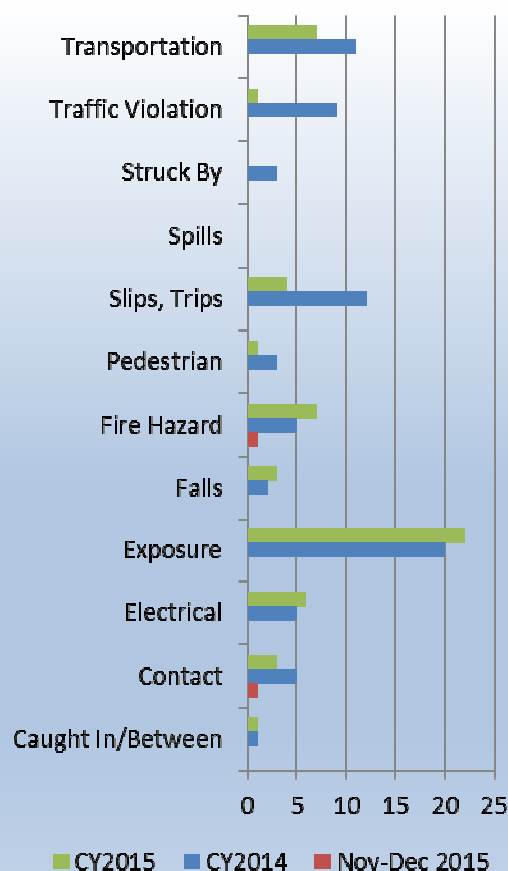
Total Body Part Total by Year



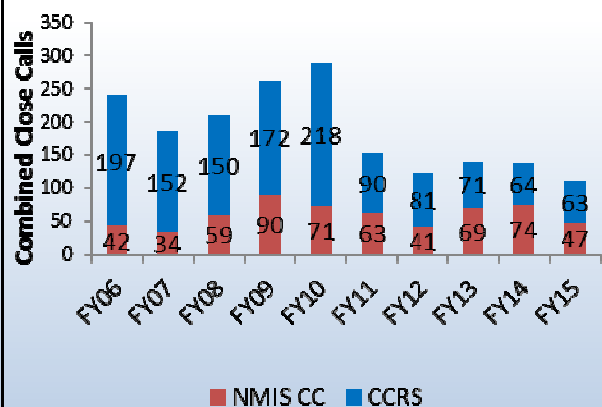


# SSC Close Calls

## CCRS Close Calls



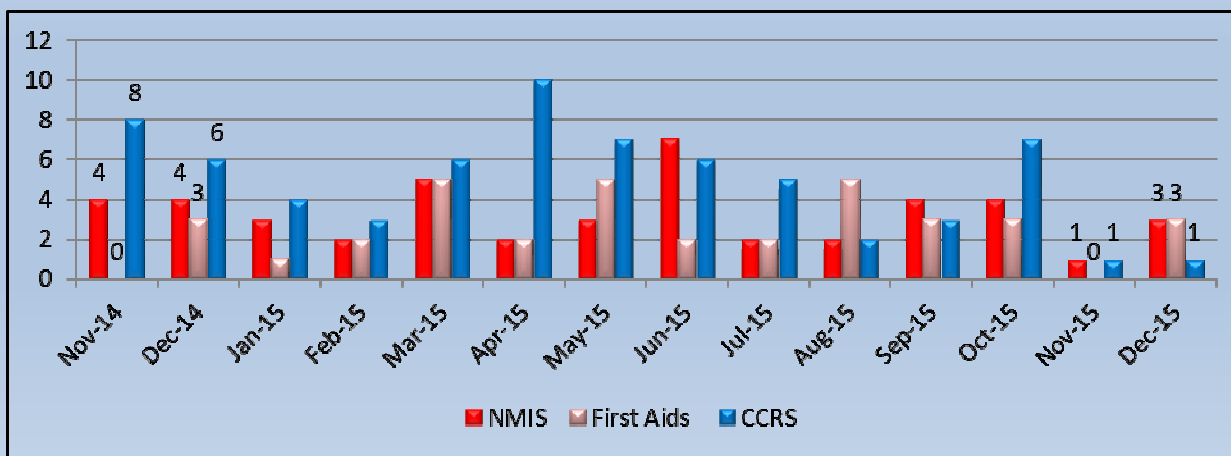
## Annual History



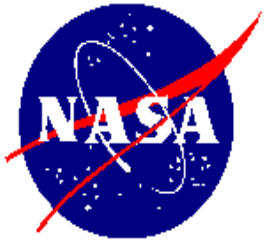
NMIS CC - 11/6, Bolts sheared from 96" gate valve stem; 12/2, Employee tripped and fell on back (FA); 12/8, Employee hit head on metal rack (FA); 12/14, Employee injured left knee while running (FA); 12/14 Load in back of truck shifted breaking the rear window.

CCRS - 11/12, During Vertical Engine Installer deck operations, handrail contacted flex hose on igniter #4 deforming flex hose braid and tilting exit igniter nozzle; 12/24, Alarm sounded at 3225, but emergency services were not dispatched.

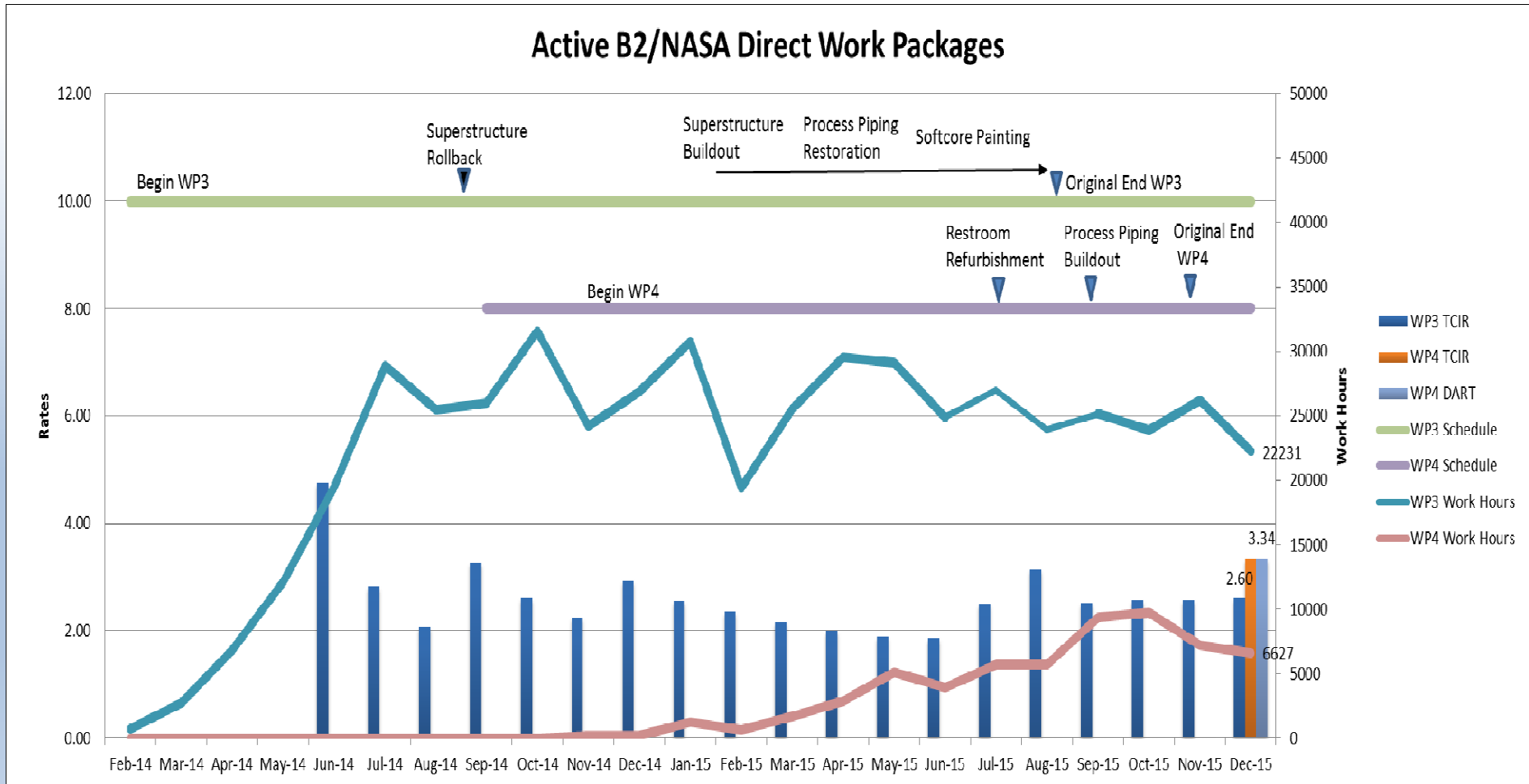
## ∞ - Construction Close Calls



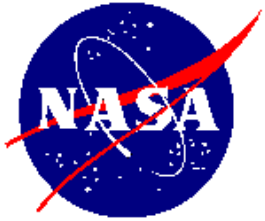
\*NMIS Close Calls include events with minor equipment damage < \$20,000, but 11



# SSC Construction Metrics



2014 NAICS Industry Code (Construction) TCIR = 3.6  
2014 NAICS Industry Code (Construction) DART = 2.0



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# Construction Safety Findings: 04-08 January 2016

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**Findings Total: 0**

-Serious Findings: 0

-Less than Serious Findings: 0

**Mishaps / Close Calls: 0**



# Construction Safety Findings: 11-15 January 2016

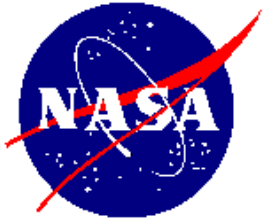
**Findings Total: 0**

**Mishaps / Close Calls: 1**

**-Mishaps: 1**

1. On 1/15/16, A subcontracted employee was attempting to auger a thirty-six (36) inch diameter hole in the ground for an overhead power line pole foundation when the auger contacted a buried two (2) inch conduit, approximately three (3) feet below the ground surface. The conduit and electrical lines inside of it were both damaged. Property damage is estimated to be less than \$20,000.00, making this case a NASA Close Call.





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# Construction Safety Findings: 18-22 January 2016

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**Findings Total: 0**

-Serious Findings: 0

-Less than Serious Findings: 0

**Mishaps / Close Calls: 0**





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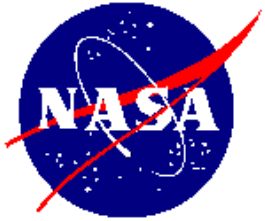
# Construction Safety Findings: 23 January 2016

**Contractor: 1**  
**47 Year old canopy: 0**



*The end of another Stennis Landmark*





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# Construction Safety Findings: 25-29 January 2016

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**Findings Total: 0**

-Serious Findings: 0

-Less than Serious Findings: 0

**Mishaps / Close Calls: 0**



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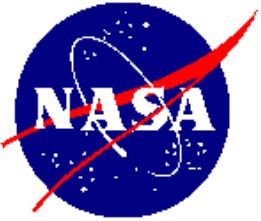


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Questions?

<http://constructionsafety.ssc.nasa.gov/>



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## Construction Safety

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Hazard Recognition is more than being  
“Good”...

I'm Good!

Have a Safe month!