

# **Berkeley Lab Accident Statistics Through May 31, 2012**

**These slides are updated on a monthly basis as soon as data are reasonably final for the preceding month. Hours worked are estimated monthly and updated with final and actual values quarterly.**

**Every effort is made to present accurate and final data. However, changes may occur in subsequent months as additional information becomes available and as developments change the recordability of some cases.**

**Refer questions about these charts to [rwwfisher@lbl.gov](mailto:rwwfisher@lbl.gov)**

# Injury/Illness Cases – May 2012

## Trauma

- **Neck, shoulder, and back strain**

- The Material Handler was pulling the lid of a metals bin by a locking pin chain. The lid rollers struck debris in the track and abruptly jerked to a stop. This jolted the employee's left arm, shoulder, neck and back.

- **Strain**

- The Carpenter strained the back while moving a partially full drum. The strain occurred after tilting and then rolling the drum a few feet while easing the drum back to the full level position on the ground.

# Injury/Illness Cases – May 2012

## Trauma

- **Abrasions to hands and arms**

- The Computer Research Scientist / Engineer was cycling downhill through the Blackberry Gate and starting through a construction lane detour. The front tire encountered the raised pavement markers that form an island in front of the guard shack causing a loss of control. The employee and bicycle fell to the pavement.

# Injury/Illness Cases – May 2012

## Chemical

- **Inhalation of cleaning chemical**

- While on a temporary fill in assignment, the Custodian experienced chest and throat burning and discomfort after spraying a disinfectant/cleaner (Staples #17, a quaternary ammonium compound) that should have been diluted. The undiluted solution was left in the supply caddy in a container that is labeled as diluted solution.

# Injury/Illness Cases – May 2012

## Chemical

- **Report of chemical contact on wrist**
  - The Biophysicist Project Scientist/Engineer was preparing to pipette 90 microliters of a one percent solution of thiosemicarbazide and while manipulating the target specimen with the other hand inadvertently released the solution on the bare skin of the inner surface of the left wrist just above the latex glove.

# Injury/Illness Cases – May 2012

## Laceration / Puncture

- **Puncture**

- The Chemist Postdoctoral Fellow was removing part of an experimental assembly on a lab bench, using an X-Acto knife. The knife slipped and jabbed the employee's finger.

- **Laceration**

- The Guest Postdoctoral Fellow's foot slipped from the smooth edge of the equipment truck cargo bed. The employee's leg struck a rough edge on a welded structural member of the rear bumper assembly.

# **Injury/Illness Cases – May 2012**

## **Slip / Trip / Fall**

- **Strained ankle, abrasion**

- The Guest Postdoctoral Fellow slipped off the paved sidewalk curb and fell while walking downhill on McMillan Road.

# **Injury/Illness Cases – May 2012**

## **Other**

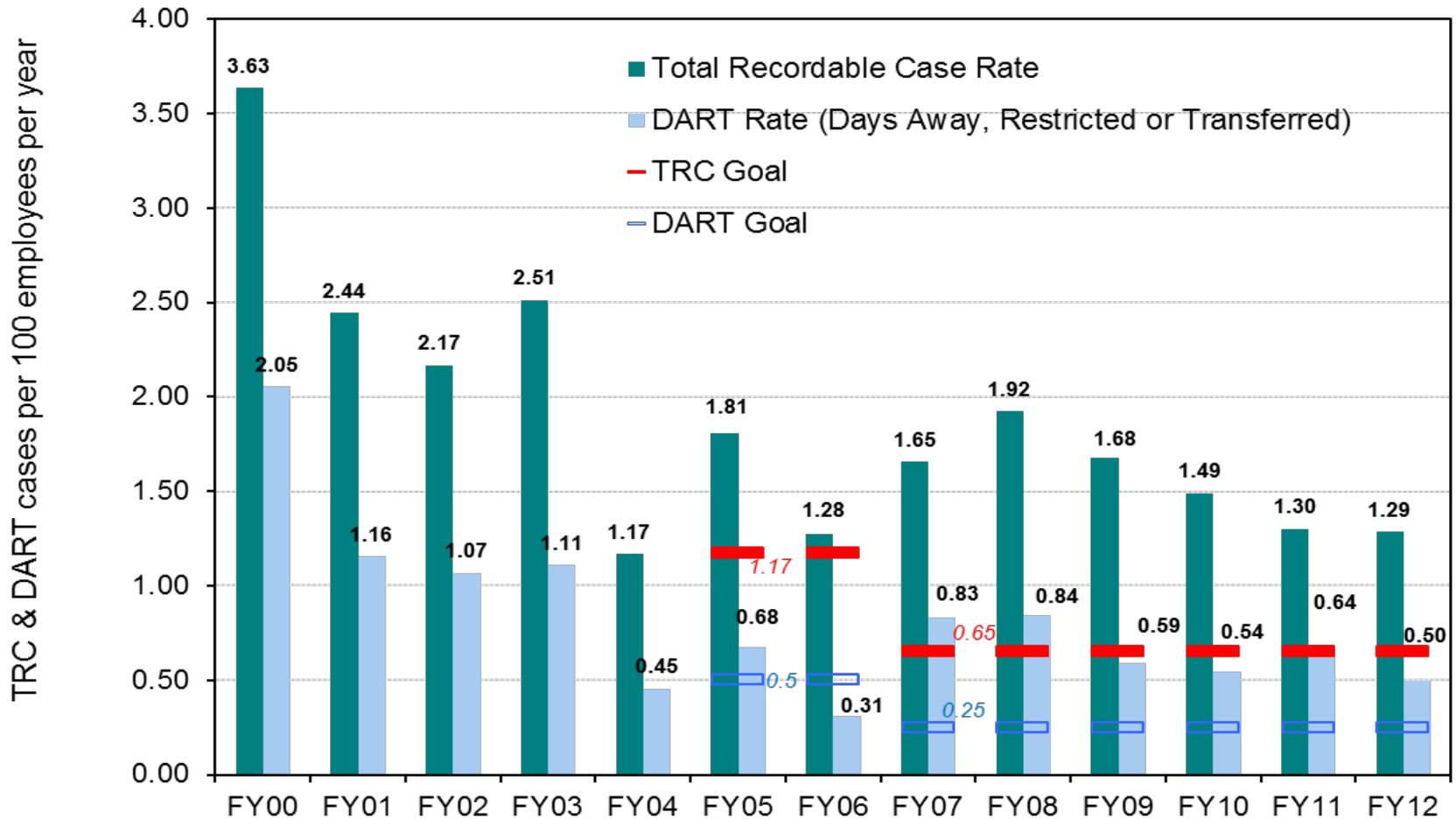
- **Fainted**

- The Guest Student Assistant fainted while viewing a graphic video in first aid class.

# Berkeley Lab Site-Wide TRC & DART Rates

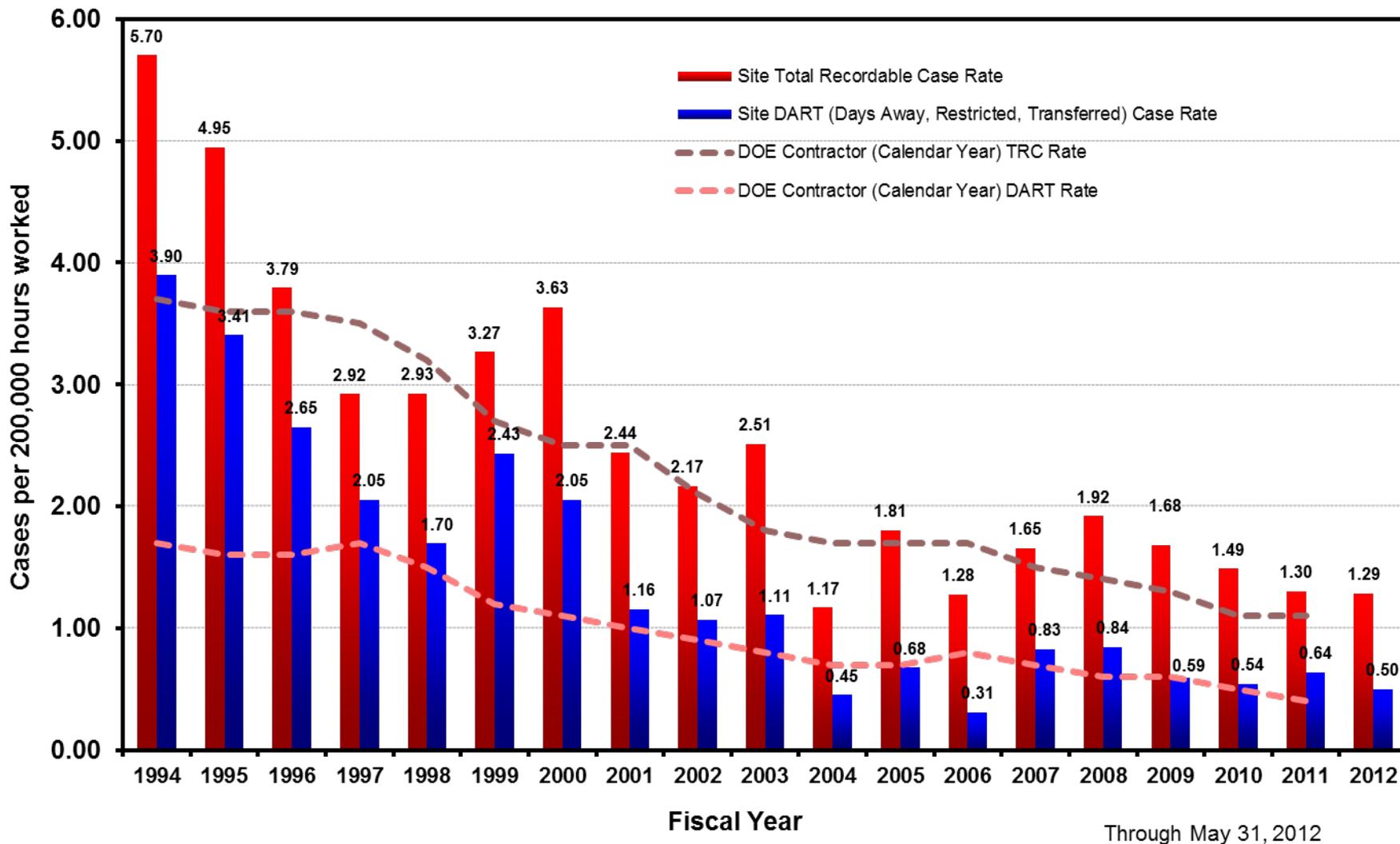
(Includes all Construction and Service Contractors)

## Through May 31, 2012

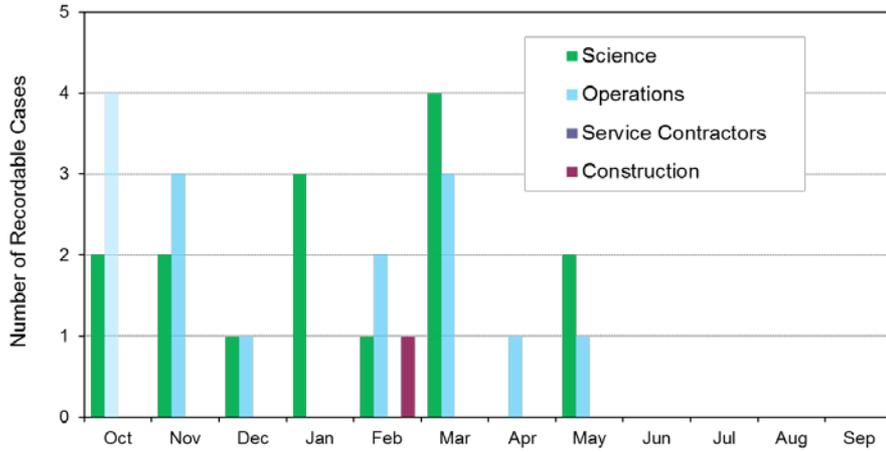


# LBNL vs. DOE Contractor Rates

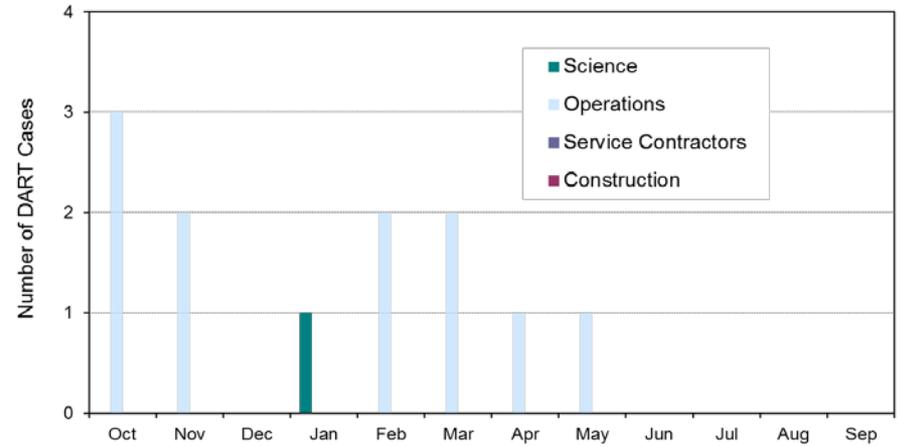
## Berkeley Lab Site Accident Rates



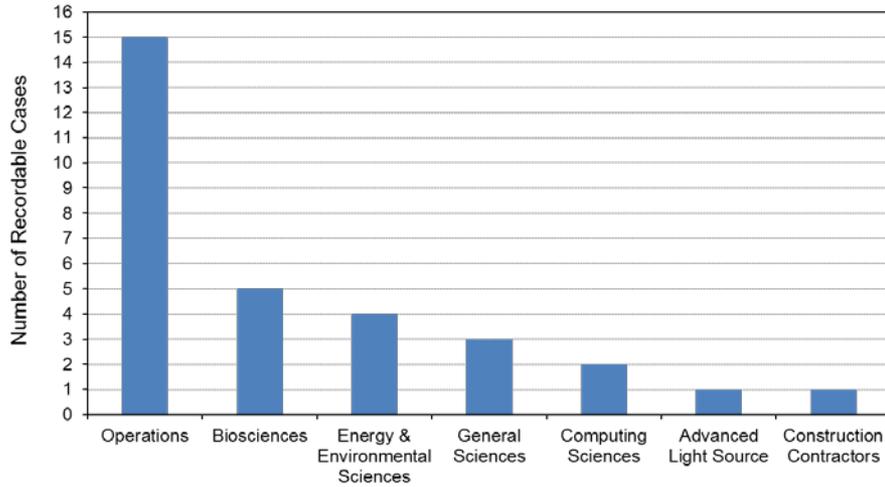
Recordable Cases by LBNL Major Organization  
FY 2012 To Date May 31, 2012



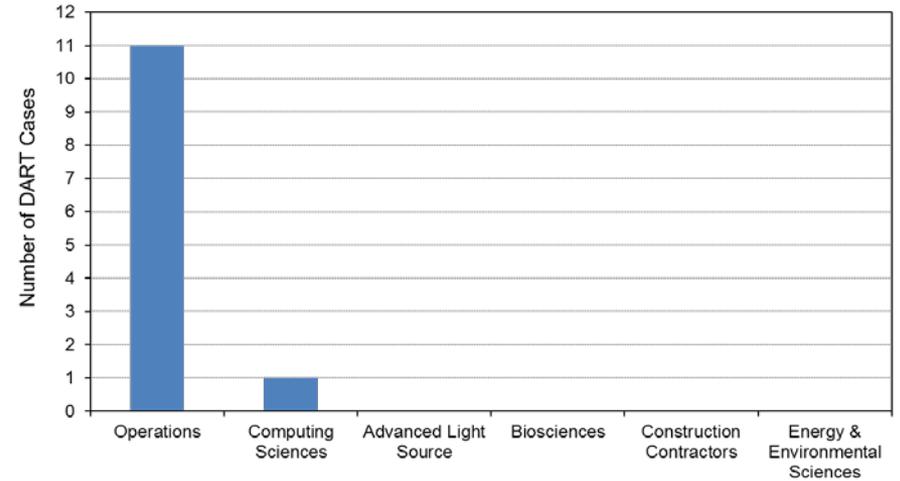
DART Cases by LBNL Major Organization  
FY 2012 To Date May 31, 2012



Recordable Cases by Directorate  
FY 2012 To Date May 31, 2012

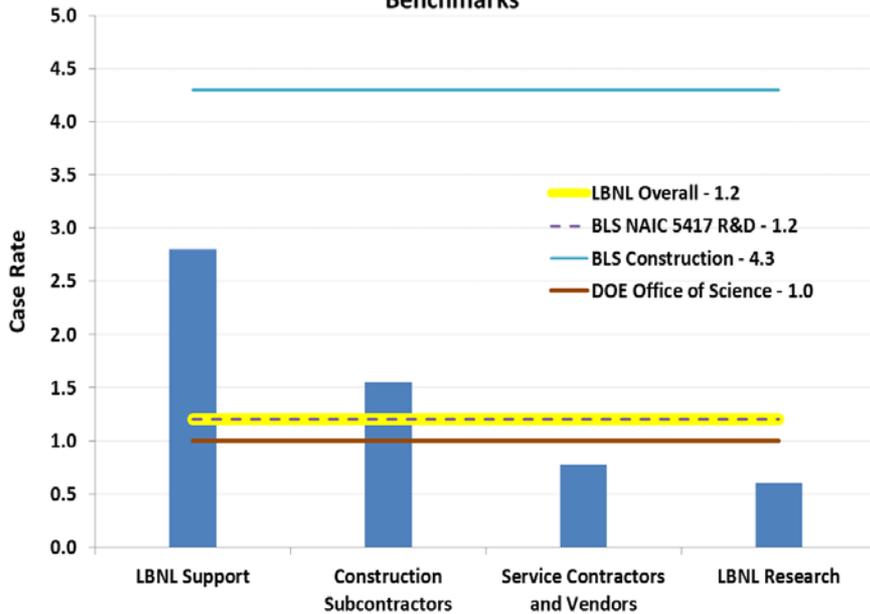


DART Cases by Directorate  
FY 2012 To Date May 31, 2012

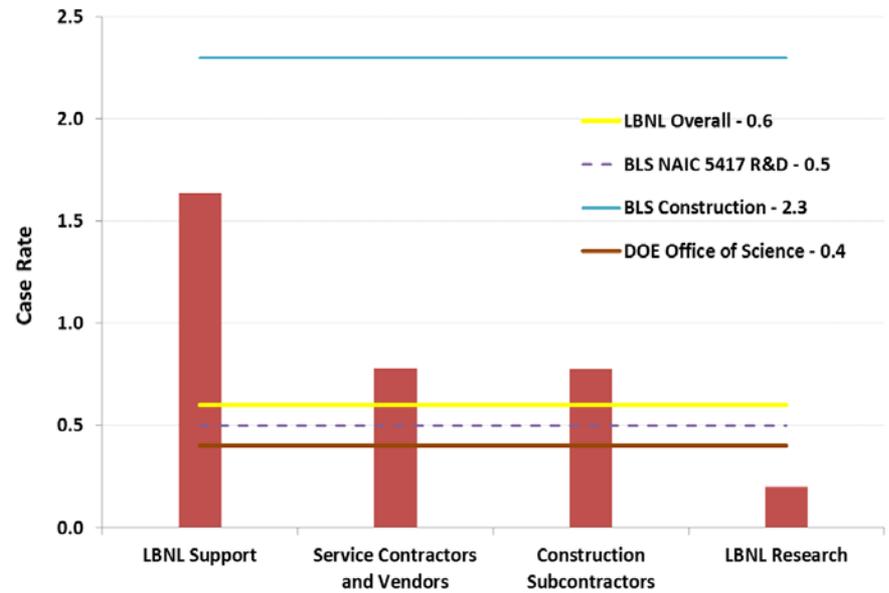


# FY 2011 Summary Reference

FY 2011 Recordable Case Rate by DOE Reporting Organization with Benchmarks

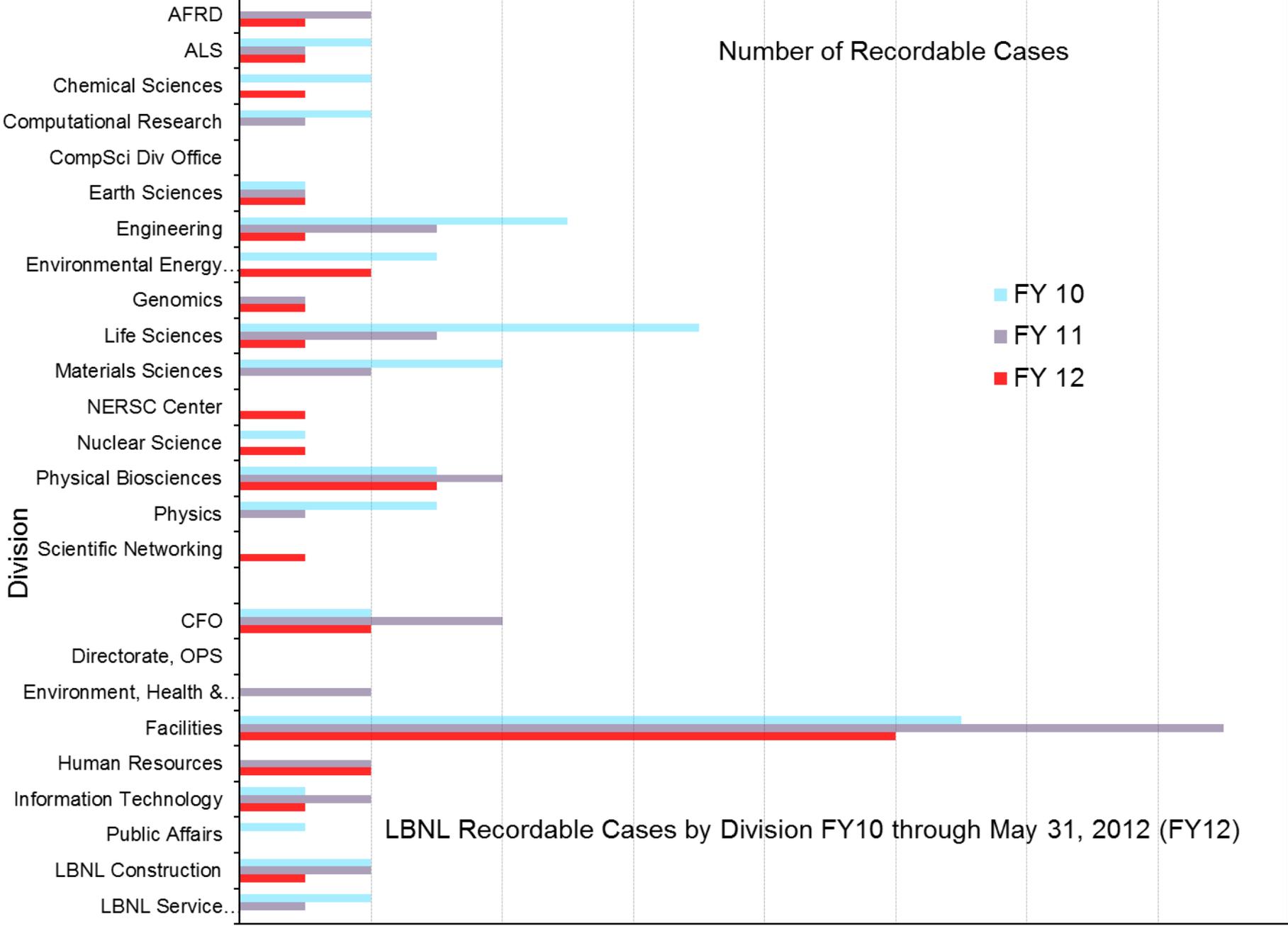


FY 2011 DART Case Rate by DOE Reporting Organization with Benchmarks



0 2 4 6 8 10 12 14 16

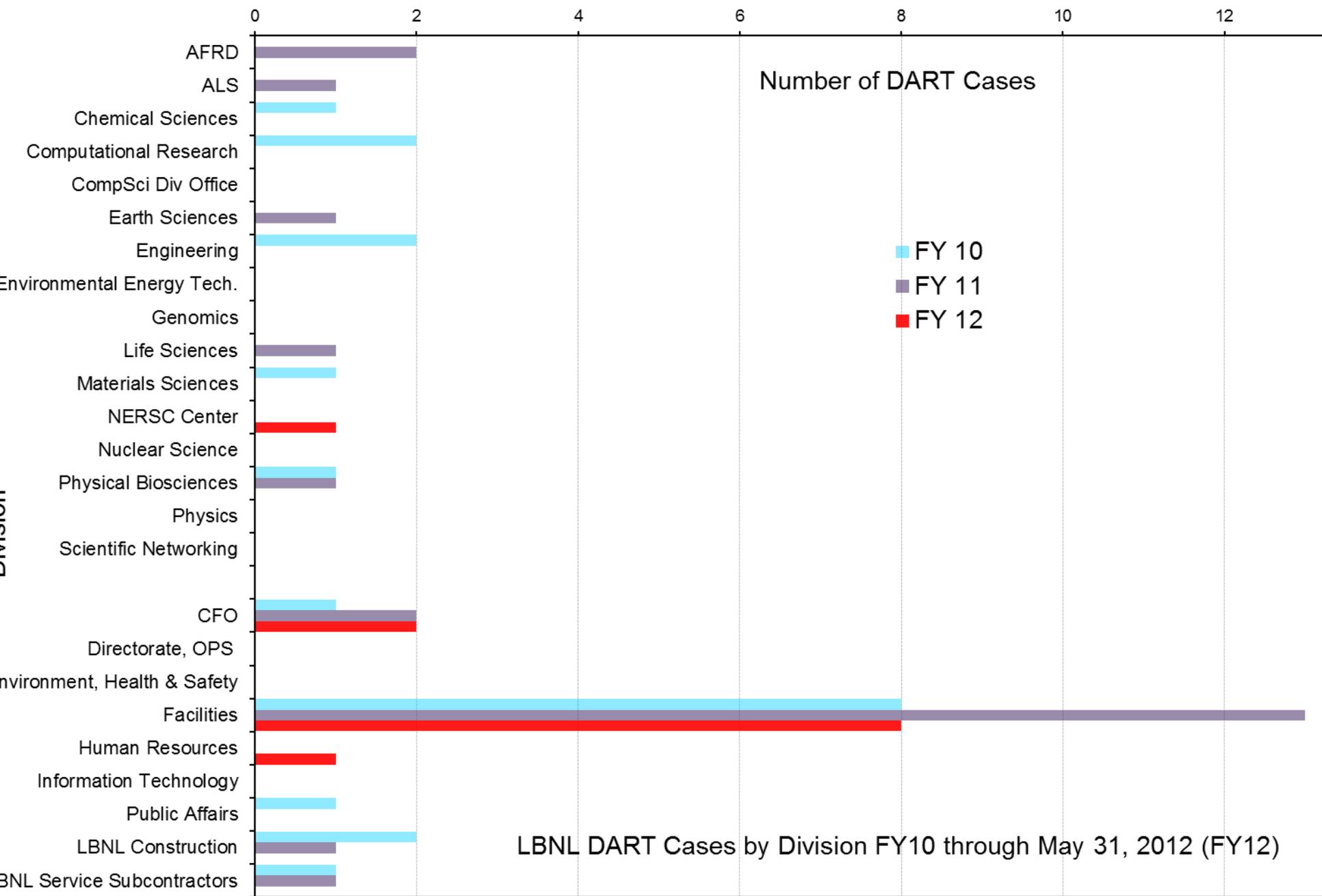
### Number of Recordable Cases



FY 10  
 FY 11  
 FY 12

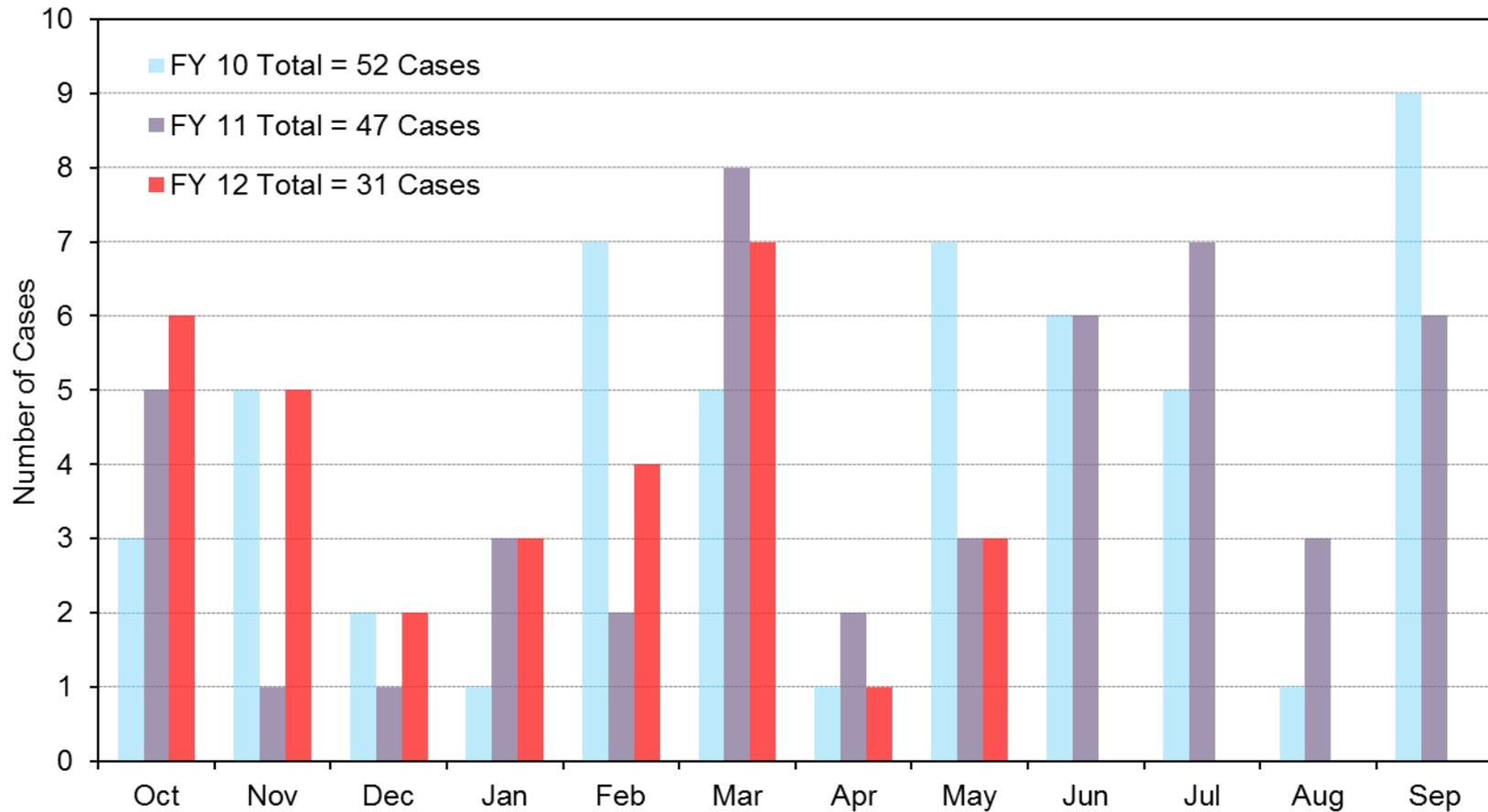
Division

LBNL Recordable Cases by Division FY10 through May 31, 2012 (FY12)

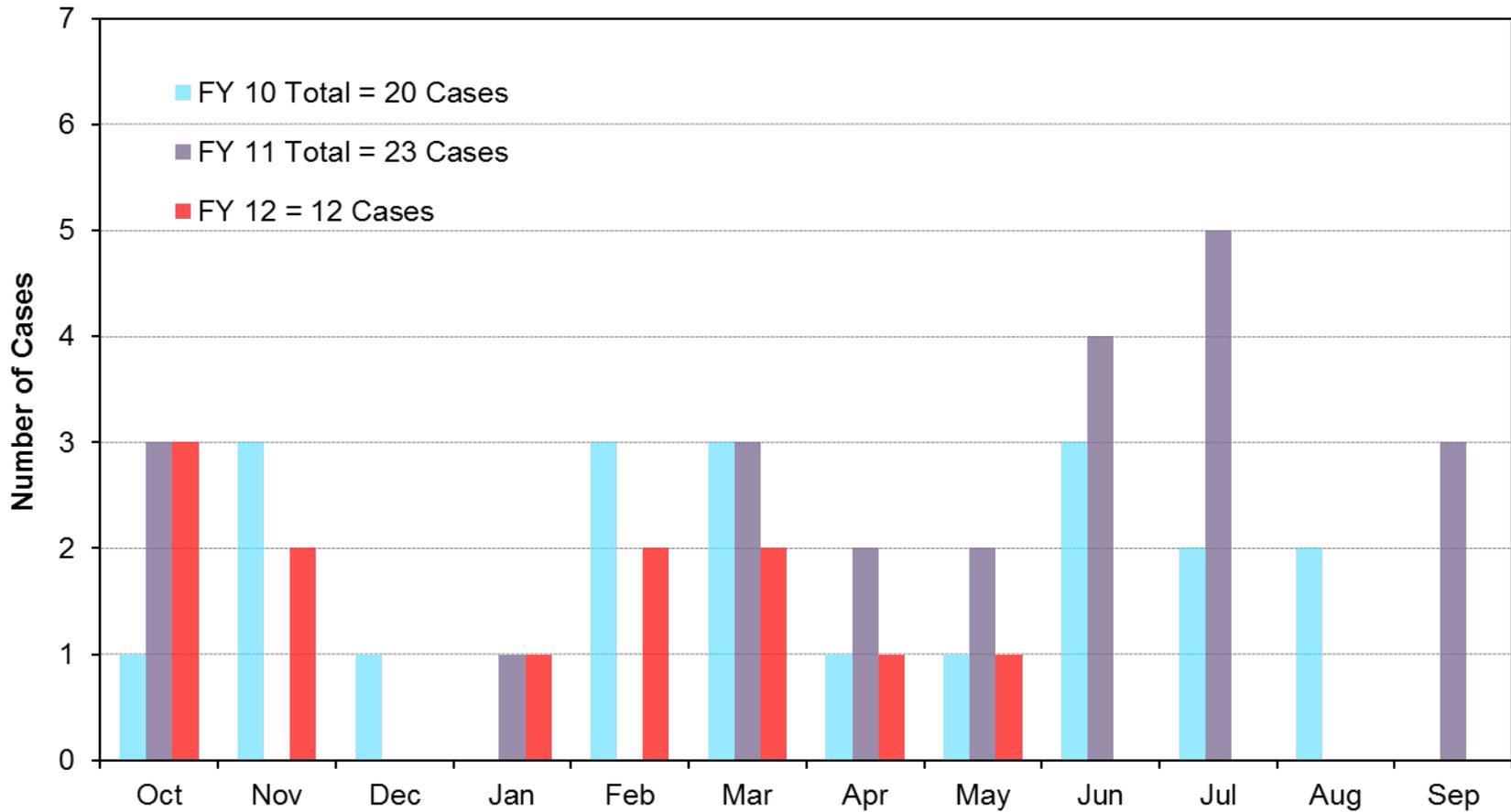


LBL DART Cases by Division FY10 through May 31, 2012 (FY12)

### LBNL Recordable Cases FY10 through May 31, 2012 (FY12)

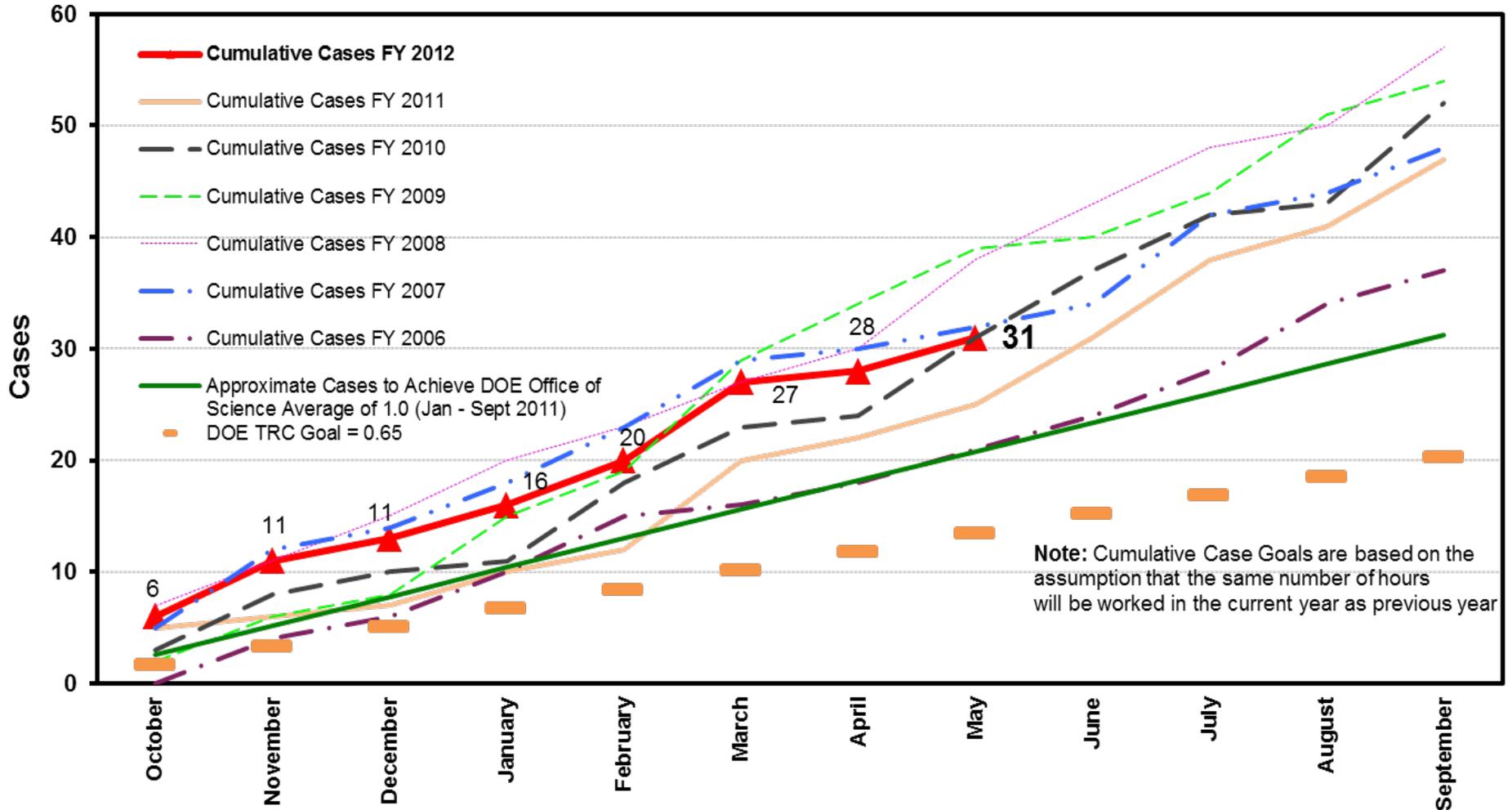


### LBL DART Cases FY10 through May 31, 2012 (FY12)



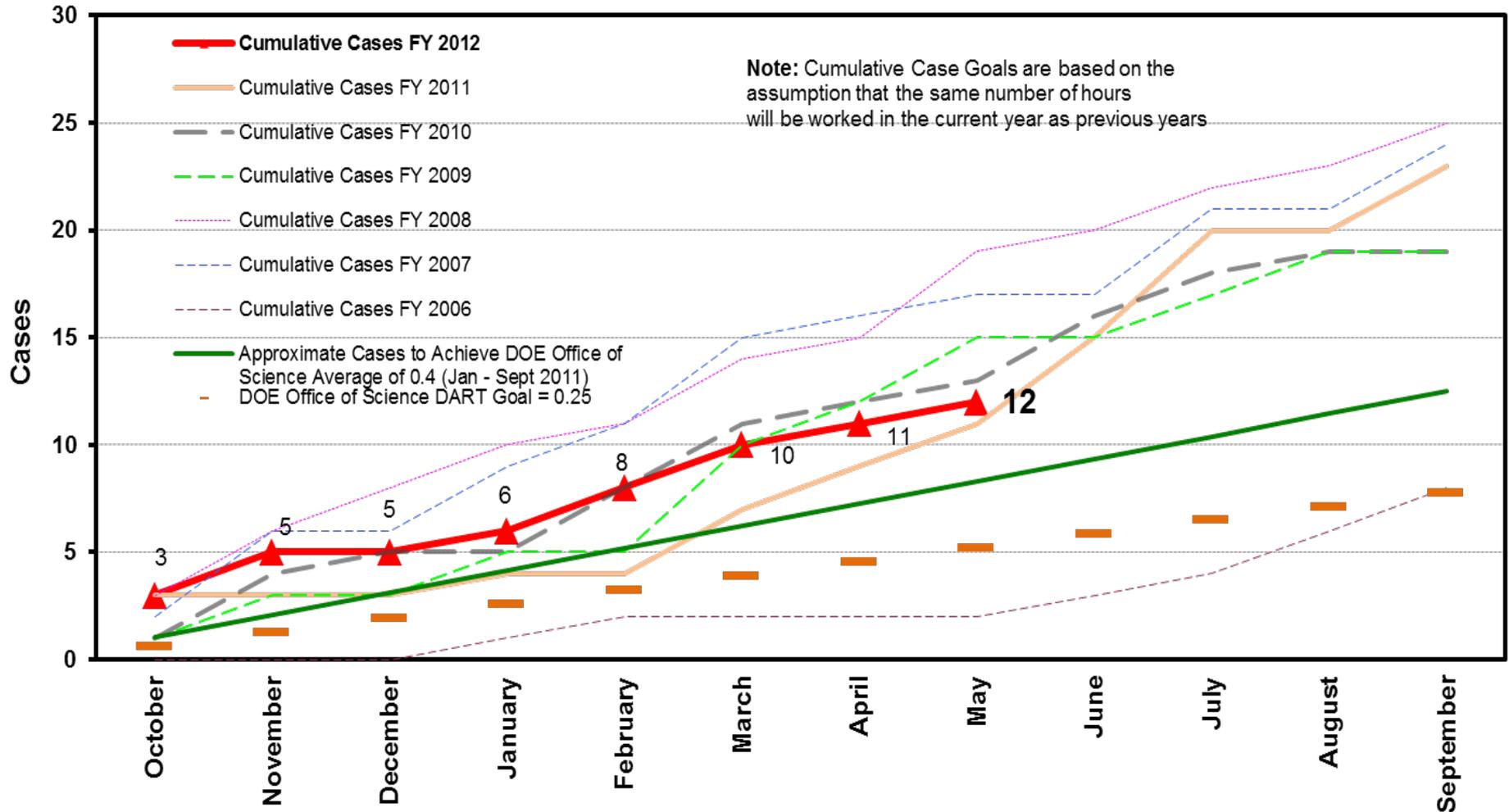
# Performance vs. DOE Goals - TRC

Berkeley Lab and Contractors  
Cumulative Total Recordable Cases  
By Fiscal Year



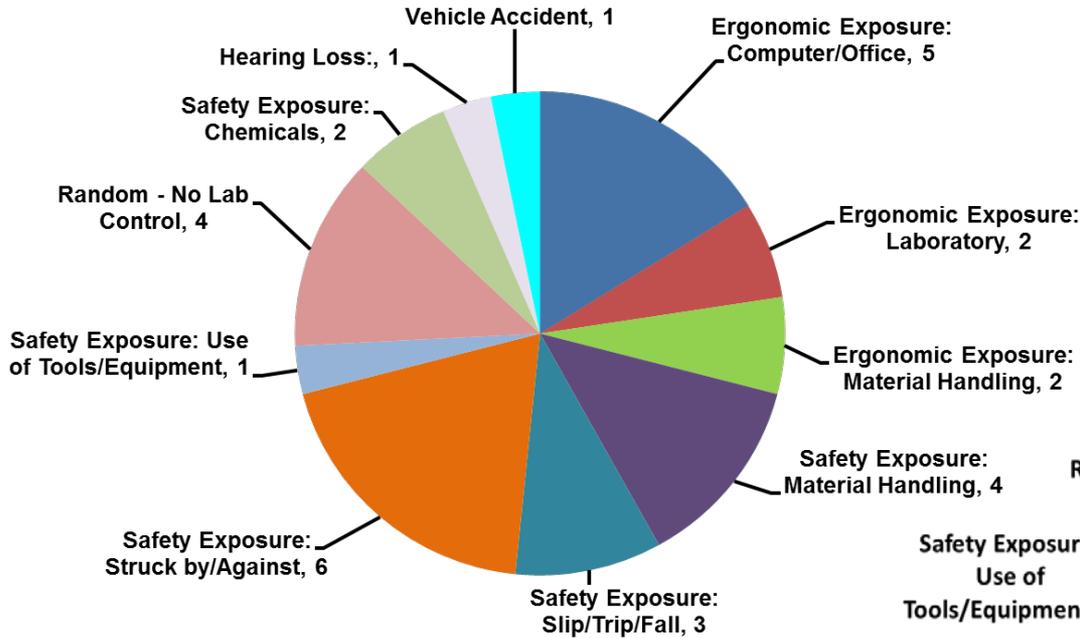
# Performance vs. DOE Goals - DART

Berkeley Lab and Contractors  
 Cumulative DART (Days Away, Restricted, Transferred) Cases  
 By Fiscal Year

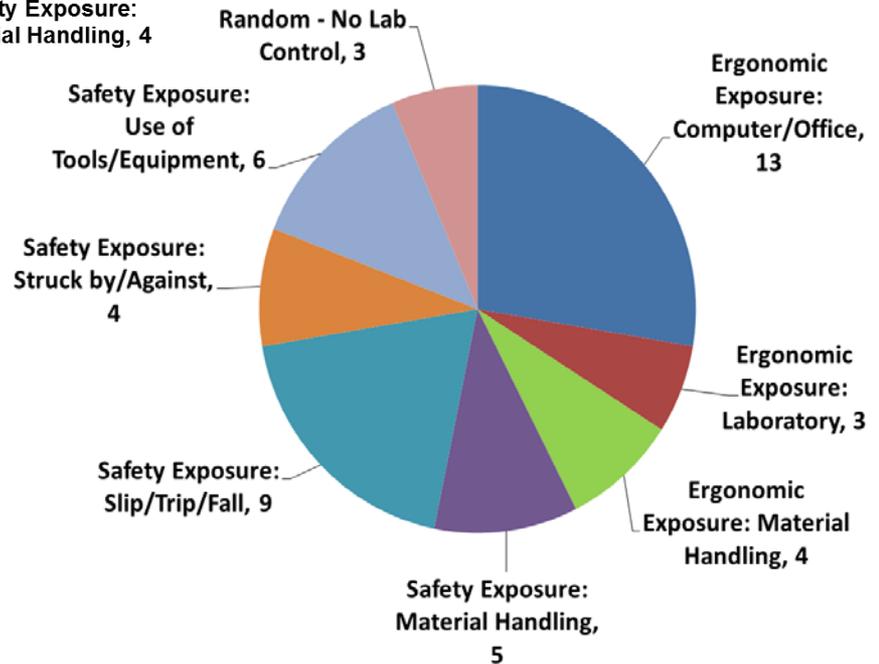


# Recordable Injury Categories and Causes

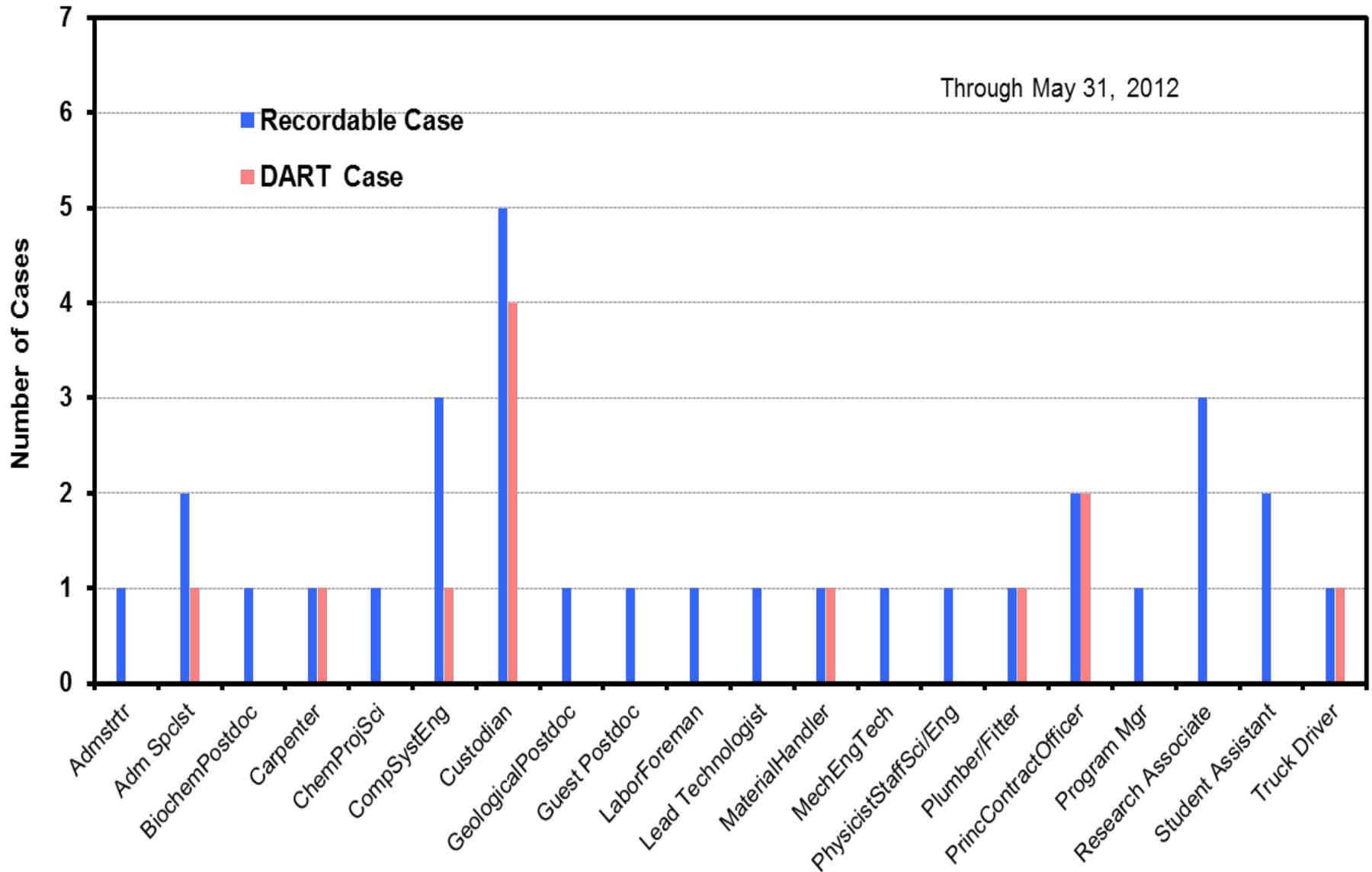
FY 2012 through 5/31/12



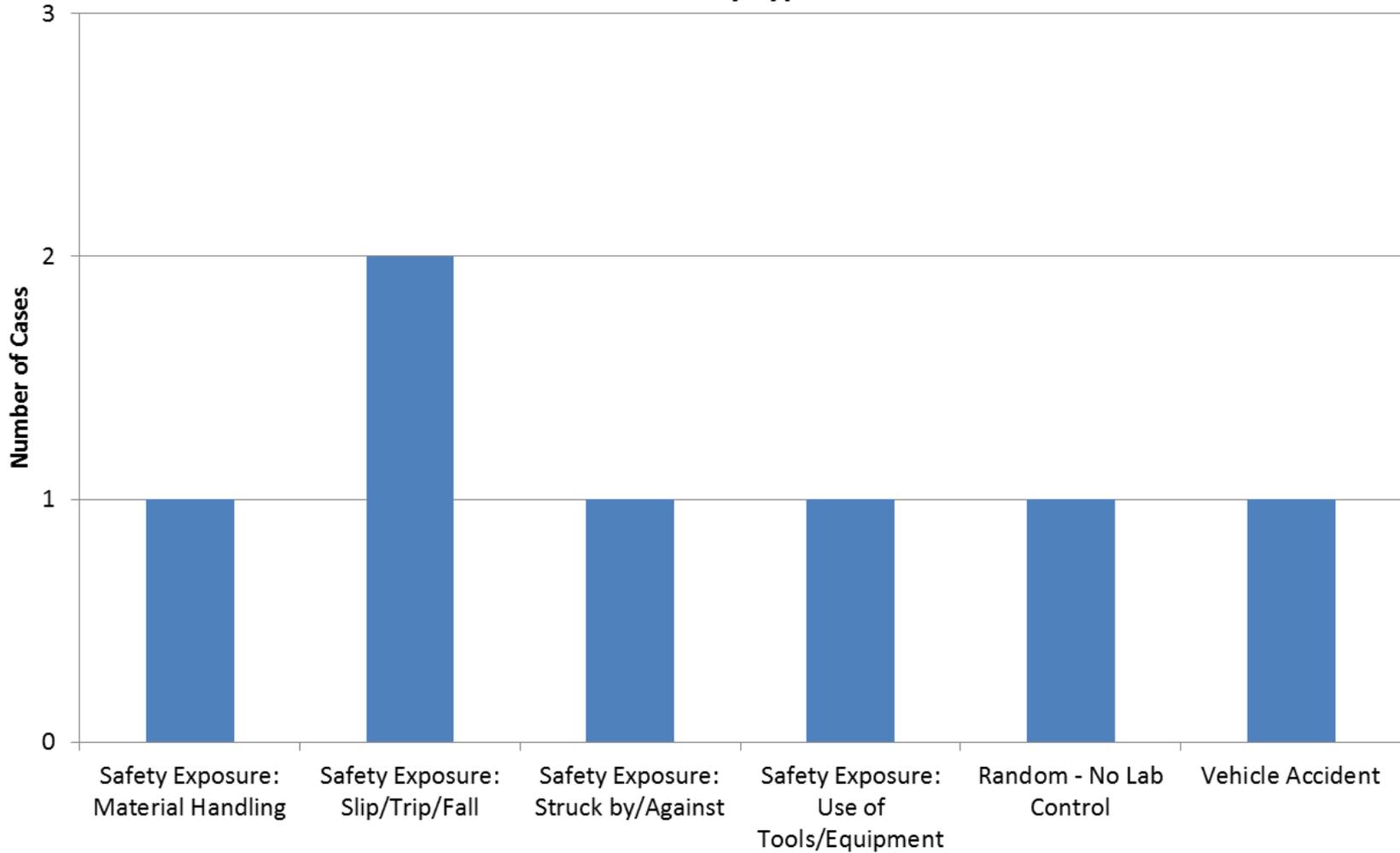
FY 2011



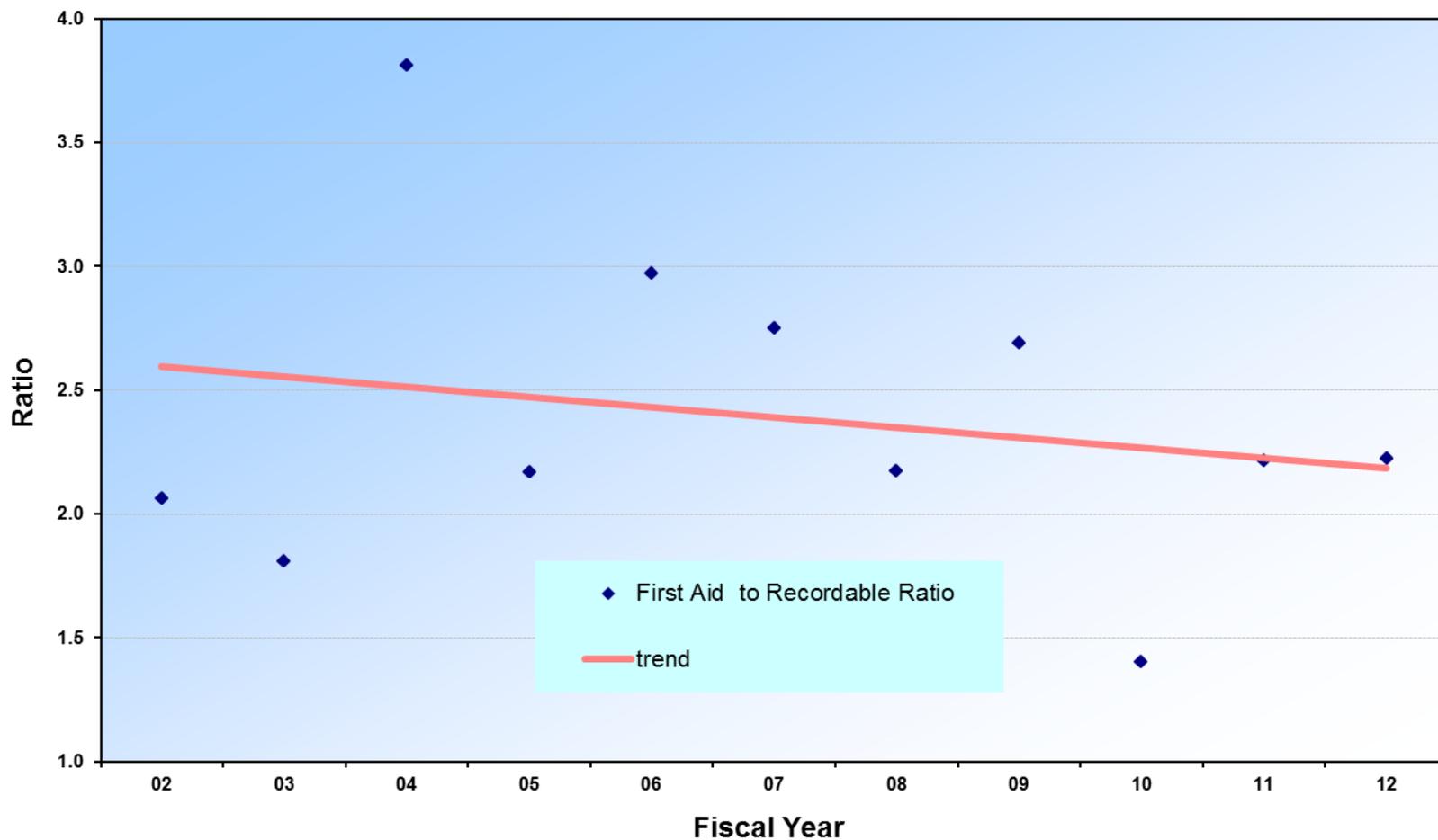
# Recordable and DART Cases by Job Classification



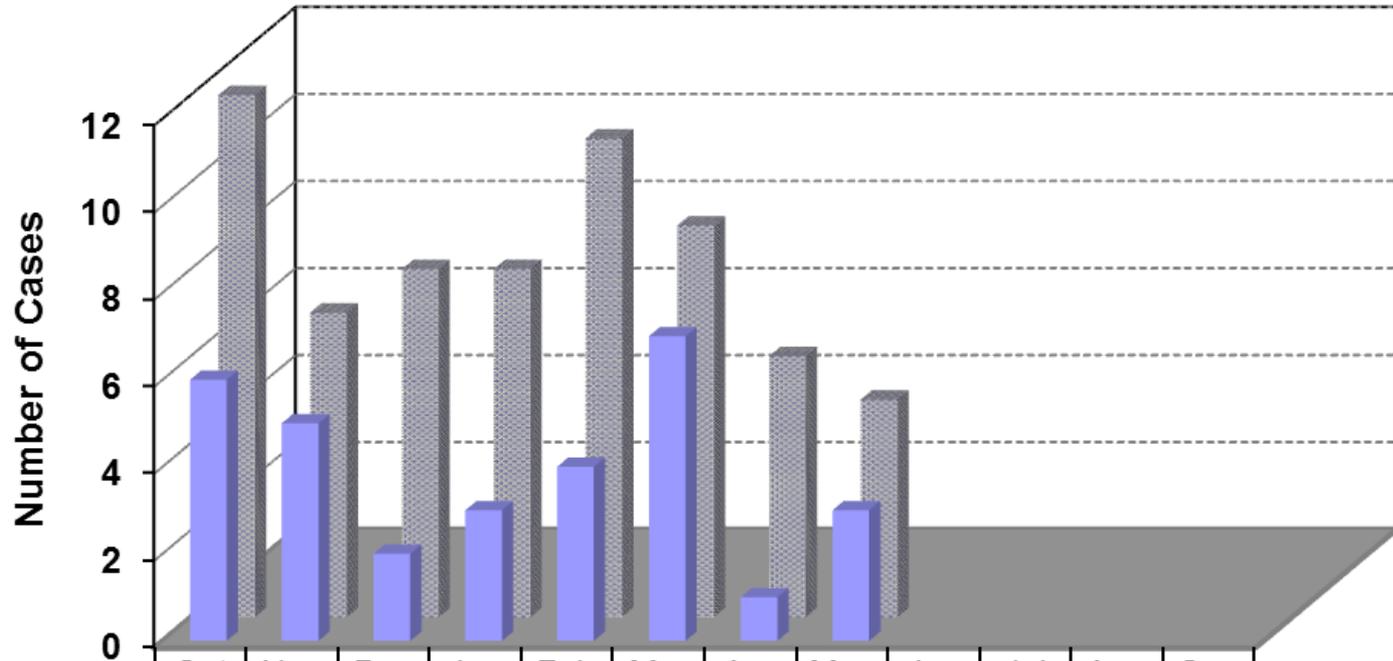
### DART Cases by Type FY12



### First Aid to Recordable Case Ratio through May 31, 2012

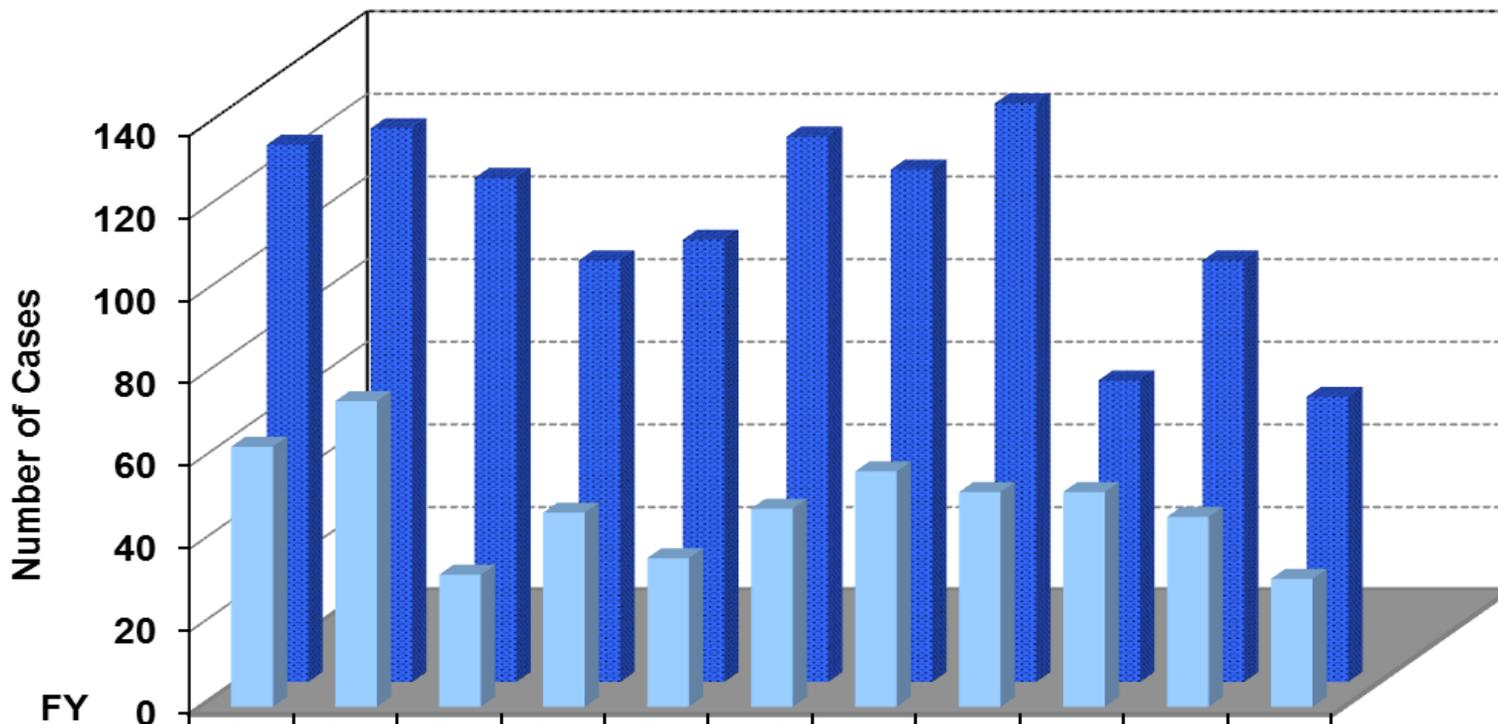


## FY2012 First Aid to Recordable Comparison by Month through May 31, 2012



	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
■ REC	6	5	2	3	4	7	1	3				
■ FA	15	7	8	8	11	9	6	5				
FA to REC Ratio	2.5	1.4	4.0	2.7	2.8	1.3	6.0	1.7				
% of Total as FA	71	58	80	73	73	56	86	63				
% of Total as REC	29	42	20	27	27	44	14	38				

## FY02 to FY2011 First Aid to Recordable Comparison by Year through May 31, 2012



REC	63	74	32	47	36	48	57	52	52	46	31
FA	130	134	122	102	107	132	124	140	73	102	69
FA to REC Ratio	2.1	1.8	3.8	2.2	3.0	2.8	2.2	2.7	1.4	2.2	2.23
% of Total as FA	67	64	79	68	75	73	69	73	58	69	69
% of Total as REC	33	36	21	32	25	27	31	27	42	31	31

# LBNL Total Recordable Cases October 1, 2011 - September 30, 2012 (FY12)

	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Total YTD
<b>LBNL Research</b>													
<b>Computing Sciences</b>	0	1	0	1	0	0	0	0	0	0	0	0	2
Computational Research	0	0	0	0	0	0	0	0	0	0	0	0	0
Division Office	0	0	0	0	0	0	0	0	0	0	0	0	0
NERSC Center	0	0	0	1	0	0	0	0	0	0	0	0	1
Scientific Networking	0	1	0	0	0	0	0	0	0	0	0	0	1
<b>General Sciences</b>	1	1	0	0	0	0	0	1	0	0	0	0	3
AFRD	0	1	0	0	0	0	0	0	0	0	0	0	1
Engineering	1	0	0	0	0	0	0	0	0	0	0	0	1
Nuclear Science	0	0	0	0	0	0	0	1	0	0	0	0	1
Physics	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Energy &amp; Environmental Sciences</b>	0	0	0	1	1	2	0	0	0	0	0	0	4
Chemical Sciences	0	0	0	1	0	0	0	0	0	0	0	0	1
Earth Sciences	0	0	0	0	0	1	0	0	0	0	0	0	1
Environmental Energy Tech.	0	0	0	0	1	1	0	0	0	0	0	0	2
Materials Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Biosciences</b>	1	0	1	1	0	1	0	1	0	0	0	0	5
Genomics	1	0	0	0	0	0	0	0	0	0	0	0	1
Life Sciences	0	0	0	1	0	0	0	0	0	0	0	0	1
Physical Biosciences	0	0	1	0	0	1	0	1	0	0	0	0	3
<b>Advanced Light Source</b>	0	0	0	0	0	1	0	0	0	0	0	0	1
<b>LBNL Research Sub-Total</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>
<b>LBNL Operations</b>													
Environment, Health & Safety	0	0	0	0	0	0	0	0	0	0	0	0	0
Facilities	2	2	1	0	2	2	0	1	0	0	0	0	10
Human Resources	1	1	0	0	0	0	0	0	0	0	0	0	2
Information Technology	1	0	0	0	0	0	0	0	0	0	0	0	1
Public Affairs	0	0	0	0	0	0	0	0	0	0	0	0	0
CFO	0	0	0	0	0	1	1	0	0	0	0	0	2
Directorate	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>LBNL Operations Sub-Total</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>
<b>LBNL Total</b>	<b>6</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>7</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>
<b>LBNL Construction</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>						
<b>LBNL Service Subcontractors</b>	<b>0</b>												
<b>Site Grand Total</b>	<b>6</b>	<b>5</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>7</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>31</b>
<i>Prior Year (FY11) Site Grand Total</i>	5	1	1	3	2	8	2	3	6	7	3	6	47
<i>Prior Year (FY10) Site Grand Total</i>	3	5	2	1	7	5	1	7	6	5	1	9	52
<i>Prior Year (FY09) Site Grand Total</i>	2	4	2	7	4	10	5	5	1	4	7	3	54
<i>Prior Year (FY08) Site Grand Total</i>	7	4	4	5	3	4	3	8	5	5	2	7	57
<i>Prior Year (FY07) Site Grand Total</i>	5	7	2	4	5	6	1	2	2	8	2	4	48
Color Gradation Key:	0	1	2	3	4	5	6	7	8+				

Data as of 5/31/12

Notes: Projections assume that hours worked will remain constant

# LBNL DART (Days Away, Restricted) Cases Oct 1, 2011 - September 30, 2012 (FY12)

	Oct-11	Nov-11	Dec-11	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Total YTD
<b>LBNL Research</b>													
<b>Computing Sciences</b>	0	0	0	1	0	0	0	0	0	0	0	0	1
Computational Research	0	0	0	0	0	0	0	0	0	0	0	0	0
Division Office	0	0	0	0	0	0	0	0	0	0	0	0	0
NERSC Center	0	0	0	1	0	0	0	0	0	0	0	0	1
Scientific Networking	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>General Sciences</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
AFRD	0	0	0	0	0	0	0	0	0	0	0	0	0
Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0
Nuclear Science	0	0	0	0	0	0	0	0	0	0	0	0	0
Physics	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Energy &amp; Environmental Sciences</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
Chemical Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0
Earth Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0
Environmental Energy Tech.	0	0	0	0	0	0	0	0	0	0	0	0	0
Materials Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Biosciences</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
Genomics	0	0	0	0	0	0	0	0	0	0	0	0	0
Life Sciences	0	0	0	0	0	0	0	0	0	0	0	0	0
Physical Biosciences	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Advanced Light Source</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>LBNL Research Sub-Total</b>	0	0	0	1	0	0	0	0	0	0	0	0	1
<b>LBNL Operations</b>													
Environment, Health & Safety	0	0	0	0	0	0	0	0	0	0	0	0	0
Facilities	2	2	0	0	2	1	0	1	0	0	0	0	8
Human Resources	1	0	0	0	0	0	0	0	0	0	0	0	1
Information Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Public Affairs	0	0	0	0	0	0	0	0	0	0	0	0	0
CFO	0	0	0	0	0	1	1	0	0	0	0	0	2
Directorate	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>LBNL Operations Sub-Total</b>	3	2	0	0	2	2	1	1	0	0	0	0	11
<b>LBNL Total</b>	3	2	0	1	2	2	1	1	0	0	0	0	12
<b>LBNL Construction</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>LBNL Service Subcontractors</b>	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Site Grand Total</b>	3	2	0	1	2	2	1	1	0	0	0	0	12
<i>Prior Year (FY11) Site Grand Total</i>	3	0	0	1	0	3	2	2	4	5	0	3	23
<i>Prior Year (FY10) Site Grand Total</i>	1	3	1	0	3	3	1	1	3	2	2	0	20
<i>Prior Year (FY09) Site Grand Total</i>	1	2	0	2	0	5	2	3	0	2	2	0	19
<i>Prior Year (FY08) Site Grand Total</i>	3	3	2	2	1	3	1	4	1	2	1	2	25
<i>Prior Year (FY07) Site Grand Total</i>	2	4	0	3	2	4	1	1	0	4	0	3	24
Color Gradation Key:	0	1	2	3	4	5	6	7	8+				

Data as of 5/31/12

Notes: Projections assume that hours worked will remain constant