



CPUC Public Agenda 3436
Thursday, April 25, 2019 9:30 a.m.
San Francisco, CA



Commissioners:
Michael Picker, President
Liane M. Randolph
Martha Guzman Aceves
Clifford Rechtschaffen
Genevieve Shiroma

www.cpuc.ca.gov





The Pledge of Allegiance



“I pledge allegiance to the Flag of the
United States of America,
and to the Republic for which it stands,
one nation under God,
indivisible,
with liberty and justice for all.”





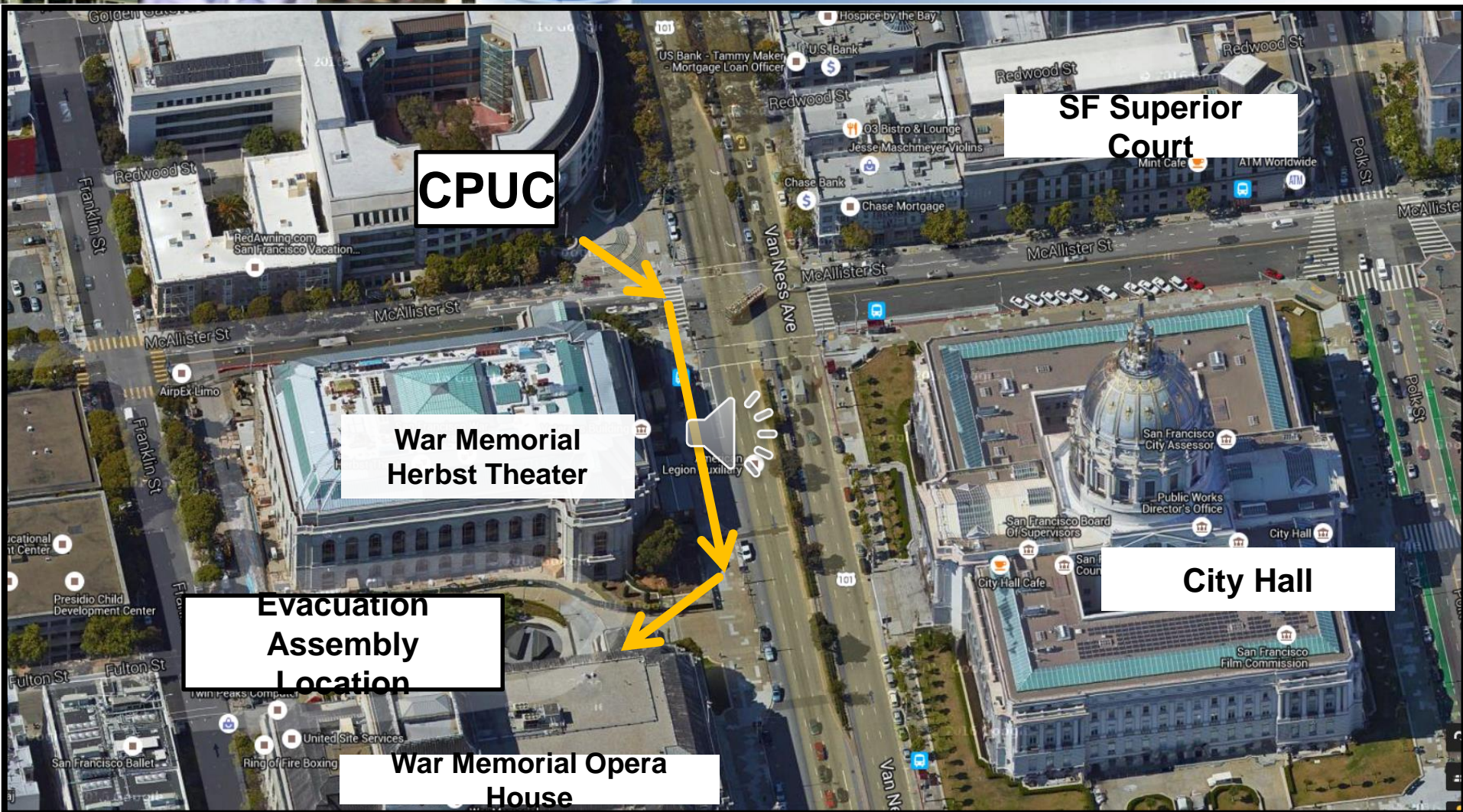
Emergency Evacuation

Safety is our number one priority:

Please listen to the emergency evacuation instructions for this location.



Evacuation Assembly Location





CPUC Mission

The CPUC regulates services and utilities, protects consumers, safeguards the environment, and assures Californians' access to safe and reliable utility infrastructure and services.





CPUC Core Values

Accountability
Excellence
Integrity
Open Communication
Stewardship





Commissioner Code of Conduct

- **I. Commissioners should conduct themselves in a manner that demonstrates respect for the public, for fellow Commissioners, and for Commission staff.**
- **II. Commission meetings should be opportunities for a full and respectful exchange of ideas and the responsible execution of Commission duties.**
- **III. Serving on the Commission is an honor and Commissioners should treat their colleagues at the Commission with respect for the varied backgrounds, skills and interests that each one brings.**
- **IV. Commissioners are public officials who should uphold the integrity of their office at all times.**





Public Comment

- Per Resolution ALJ-252, any member of the public (excluding parties and their representatives) who wishes to address the CPUC about matters before the Commission must sign up with the Public Advisor's Office table before the meeting begins. If an individual has signed up using the electronic system on the Commission's website, they must check in with the Public Advisor's Office on the day of the meeting, by the sign-up deadline.
- Once called, each speaker has up to 3 minutes at the discretion of the Commission President. Depending on the number of speakers, the time limit may be reduced to 1 minute.
- A sign will be posted when 1 minute remains.
- A bell will ring when time has expired.
- At the end of the Public Comment Section, the Commission President will ask if there are any additional individuals who wish to speak. Individuals who wish to speak but did not sign up by the deadline, will be granted a maximum of one minute to make their comments.

Public Comment is not permitted on the following items:

- **53, 55, and 60.**
- All items on the Closed Session Agenda





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Public Agenda Changes

Items shown on the Consent Agenda will be taken up and voted on as a group in one of the first items of business of each CPUC meeting.

- Items on Today's Consent Agenda are: **1, 2, 3, 4, 6, 8, 11, 12, 14, 15, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 38, 39, 40, 41, 42, 43, 44, 45, 46, and 47.**
- Any Commissioner, with consent of the other Commissioners, may request an item from the Regular Agenda be moved to the Consent Agenda prior to the meeting.
- **Item 53** from the Regular Agenda has been added to the Consent Agenda.
- Any Commissioner may request an item be removed from the Consent Agenda for discussion on the Regular Agenda prior to the meeting.
- **Item 5** has been moved to the Regular Agenda.
- **Items 16 and 37** have been withdrawn.
- The following items have been held to future Commission Meetings:
Held to 5/16/19: **7, 9, 10, 13, 48, 48A, 49, 49A, and 52.**





Regular Agenda

- Each item on the Regular Agenda (and its alternate if any) will be introduced by the assigned Commissioner or CPUC staff and discussed before it is moved for a vote.
- For each agenda item, a summary of the proposed action is included on the agenda; the CPUC's final decision may, however, differ from that proposed.
- The complete text of every Proposed Decision or Draft Resolution is available for download on the CPUC's website: www.cpuc.ca.gov.
- Late changes to agenda items are available on the Escutia Table.





Regular Agenda – Energy Orders

Item # 5 [17229] – Southern California Edison Company's Clean Energy Optimization Pilot

A.18-05-015

Application of Southern California Edison Company for Approval of Its Clean Energy Optimization Pilot.

Ratesetting

Comr Picker - Judge Kline

PROPOSED OUTCOME :

- Approves Southern California Edison Company's Clean Energy Optimization Pilot.
- Application 18-05-015 is closed.

SAFETY CONSIDERATIONS :

- The health and safety of California ratepayers is improved by promoting clean energy and energy efficiency programs, as well as the accurate calculation of greenhouse gas reductions resulting from these programs.

ESTIMATED COST :

- The forecast cost to Southern California Edison Company bundled service customers is \$20.4 million.





Regular Agenda - Energy Orders (Continued)

Item # 50 [17209] – Pacific Gas and Electric Company's Application for Catastrophic Event Memorandum Account Rate Recovery for Renewed Motion for Interim Rate Relief and for "Forecasted" Vegetation Management Costs

A.18-03-015

Application of Pacific Gas and Electric Company to Recover Costs Recorded in the Catastrophic Event Memorandum Account Pursuant to Public Utilities Code Section 454.9 and Forecasted Pursuant to Resolution ESRB-4.

Ratesetting

Comr Randolph - Judge Allen - Judge Jungreis

PROPOSED OUTCOME:

- Denies Renewed Motion for Interim Rate Relief.
- Denies rate recovery for "forecasted" vegetation management costs.
- Does not close proceeding A.18-03-015.

SAFETY CONSIDERATIONS:

- There are no safety decisions associated with this action.

ESTIMATED COST:

- There are no costs associated with this decision.





Regular Agenda - Energy Orders (Continued)

Item # 50A [17325] – Commissioner Randolph's Alternate to Item 16209

A.18-03-015

Application of Pacific Gas and Electric Company to Recover Costs Recorded in the Catastrophic Event Memorandum Account Pursuant to Public Utilities Code Section 454.9 and Forecasted Pursuant to Resolution ESRB-4.

Ratesetting

Comr Randolph

PROPOSED OUTCOME:

- Grants in part Renewed Motion for Interim Rate Relief.
- Denies rate recovery for "forecasted" vegetation management costs.
- Does not close proceeding A.18-03-015.

SAFETY CONSIDERATIONS:

- There are no safety decisions associated with this action.

ESTIMATED COST:

- There is a rate recovery of up to \$373 million associated with this decision.





Regular Agenda - Energy Orders (Continued)

Item # 51 [17300] – Preferred System Portfolio for 2017-2018 Integrated Resource Plan Cycle

R.16-02-007

Order Instituting Rulemaking to Develop an Electricity Integrated Resource Planning Framework and to Coordinate and Refine Long-Term Procurement Planning Requirements.

Ratesetting

Comr Randolph - Judge Fitch

PROPOSED OUTCOME:

- Approves or certifies 20 individual load serving entity (LSE) integrated resource plans (IRPs). Grants exemptions to 9 LSEs. Requires another 19 LSEs to refile their individual IRPs as Tier 2 advice letters, with additional information about the criteria pollutants associated with serving their load.
- Adopts a Preferred System Portfolio to use as the basis for future planning and to transfer to the California Independent System Operator (CAISO) for use in its Transmission Planning Process (TPP) as the reliability base case and policy-driven base case.
- Adopts two additional cases to transfer to the CAISO as policy-driven sensitivity cases for use in the TPP.
- Commits to beginning a "procurement track" in this proceeding to address options for procuring needed electricity resources.
- Requires LSEs serving load in the territory of Pacific Gas and Electric Company to include in their next IRPs a section addressing retirement of Diablo Canyon.

SAFETY CONSIDERATIONS:

- Addresses the electricity resource portfolio necessary to secure reliable electric service throughout the state.

ESTIMATED COST:

- Unknown. This decision adopts a plan to 2030, but individual LSEs will need to conduct procurement activities in order to gain information about total cost. This decision does not authorize specific expenditures.





Regular Agenda - Orders Extending Statutory Deadline

Item # 54 [17302] – Order Extending Statutory Deadline

I.17-11-003

Order Instituting Investigation into the November 2017 Submission of Pacific Gas and Electric Company's Risk Assessment and Mitigation Phase.

Ratesetting

Comr Rechtschaffen – Judge Lau - Judge Lirag

PROPOSED OUTCOME:

- Extends the Statutory Deadline for completion of this proceeding until October 25, 2019.

SAFETY CONSIDERATIONS:

- There are no safety considerations implicated with this Order Extending Statutory Deadline.

ESTIMATED COST:

- There is no cost associated with this Order Extending Statutory Deadline.





Regular Agenda - Orders Extending Statutory Deadline (continued)

Item # 55 [17305] – Order Extending Statutory Deadline

I.17-04-021

Order Instituting Investigation on the Commission's Own Motion into the Billing Practices of Southern California Gas Company; and Order to Show Cause Why the Commission Should not Revise Rule No. 14, Impose Penalties and/or Other Remedies for Extending Billing Periods and Issuing Untimely Monthly Bills.

Adjudicatory

Comr Rechtschaffen - Judge Ayoade

PROPOSED OUTCOME:

- Extends the statutory deadline for completion of this proceeding until October 27, 2019.

SAFETY CONSIDERATIONS:

- There are no safety considerations implicated with this Order Extending Statutory Deadline.

ESTIMATED COST:

- There are no costs associated with this Order Extending Statutory Deadline.





Regular Agenda - Orders Extending Statutory Deadline (continued)

Item # 56 [17333] – Order Extending Statutory Deadline

I.15-08-019

Order Instituting Investigation on the Commission's Own Motion to Determine Whether Pacific Gas and Electric Company and PG&E Corporation's Organizational Culture and Governance Prioritize Safety.

Ratesetting

Comr Picker - Judge Allen

PROPOSED OUTCOME:

- Extends the statutory deadline for this proceeding until May 8, 2020.

SAFETY CONSIDERATIONS:

- There are no safety considerations implicated with this Order Extending Statutory Deadline.

ESTIMATED COST:

- There are no costs associated with this Order Extending Statutory Deadline.





Regular Agenda - Orders Extending Statutory Deadline (continued)

Item # 57 [17335] – Order Extending Statutory Deadline

A.17-11-009

Application of Pacific Gas and Electric Company Proposing Cost of Service and Rates for Gas Transmission and Storage Services for the Period 2019-2021.

Ratesetting

Comr Rechtschaffen - Judge Powell

PROPOSED OUTCOME:

- Extends the statutory deadline for completion of this proceeding until November 19, 2019.

SAFETY CONSIDERATIONS:

- There are no safety considerations implicated with this Order Extending Statutory Deadline.

ESTIMATED COST:

- There are no costs associated with this Order Extending Statutory Deadline.





Regular Agenda - Orders Extending Statutory Deadline (continued)

Item # 58 [17337] – Order Extending Statutory Deadline

A.17-10-018

Application of Liberty Utilities (CalPeco Electric) LLC for Authority to Recover Costs Recorded in its Catastrophic Event Memorandum Account.

Ratesetting

Comr Guzman Aceves - Judge Jungreis - Judge Semcer

PROPOSED OUTCOME:

- Extends the statutory Deadline to August 26, 2019.

SAFETY CONSIDERATIONS:

- There are no safety considerations implicated with this Order Extending Statutory Deadline.

ESTIMATED COST:

- There are no costs associated with this Order Extending Statutory Deadline.





Regular Agenda - Orders Extending Statutory Deadline (continued)

Item # 59 [17338] – Order Extending Statutory Deadline

A.17-10-019, A.18-04-011 - Related matters.

Application of San Pablo Bay Pipeline Company LLC PLC- 29 for authority, pursuant to Public Utilities Code Section 455.3, to increase its rates for pipeline transportation services within California.

Ratesetting

Comr Guzman Aceves - Judge Bemserfer

PROPOSED OUTCOME:

- Extends Statutory Deadline for completion of these proceedings until November 2, 2019.

SAFETY CONSIDERATIONS:

- There are no safety considerations implicated with this Order Extending Statutory Deadline.

ESTIMATED COST:

- There are no costs associated with this Order Extending Statutory Deadline.





Regular Agenda - Orders Extending Statutory Deadline (continued)

Item # 60 [17339] – Order Extending Statutory Deadline

I.18-05-012

Order Instituting Investigation into Operations and Practices of Preferred Long Distance, Inc. to Determine Whether Respondents Violated the Laws, Rules, and Regulations of this State governing the manner in which California Consumers are switched from Telephone Carriers and Billed for Telephone Products and Services.

Adjudicatory

Comr Rechtschaffen - Judge McKenzie

PROPOSED OUTCOME:

- Extends the statutory Deadline for this proceeding until December 31, 2019.

SAFETY CONSIDERATIONS:

- There are no safety considerations implicated with this Order Extending Statutory Deadline.

ESTIMATED COST:

- There is no cost associated with this Order Extending Statutory Deadline.





Commissioners' Reports





Management Reports





Regular Agenda – Management Reports and Resolutions

Item # 63 [17327]

**Report and Discussion of Disadvantaged Communities
Advisory Group 2018 Annual Report**





Disadvantaged Communities Advisory Group

2018 Annual Report

Tyrone Roderick Williams, Chair





Regular Agenda – Management Reports and Resolutions

Item # 63 [17327]

**Report and Discussion of Disadvantaged Communities
Advisory Group 2018 Annual Report**





Regular Agenda- Management Reports and Resolutions (continued)

Item # 64 [17365]

**Bay Area Rapid Transit to Meet Commission Compliance
Ordered by Decision 18-10-020, Paragraph 5.e**

**Bay Area Rapid Transit (BART) to report on Annual Safety and
update on BART's ongoing efforts to improve safety.**





Annual Presentation to CPUC

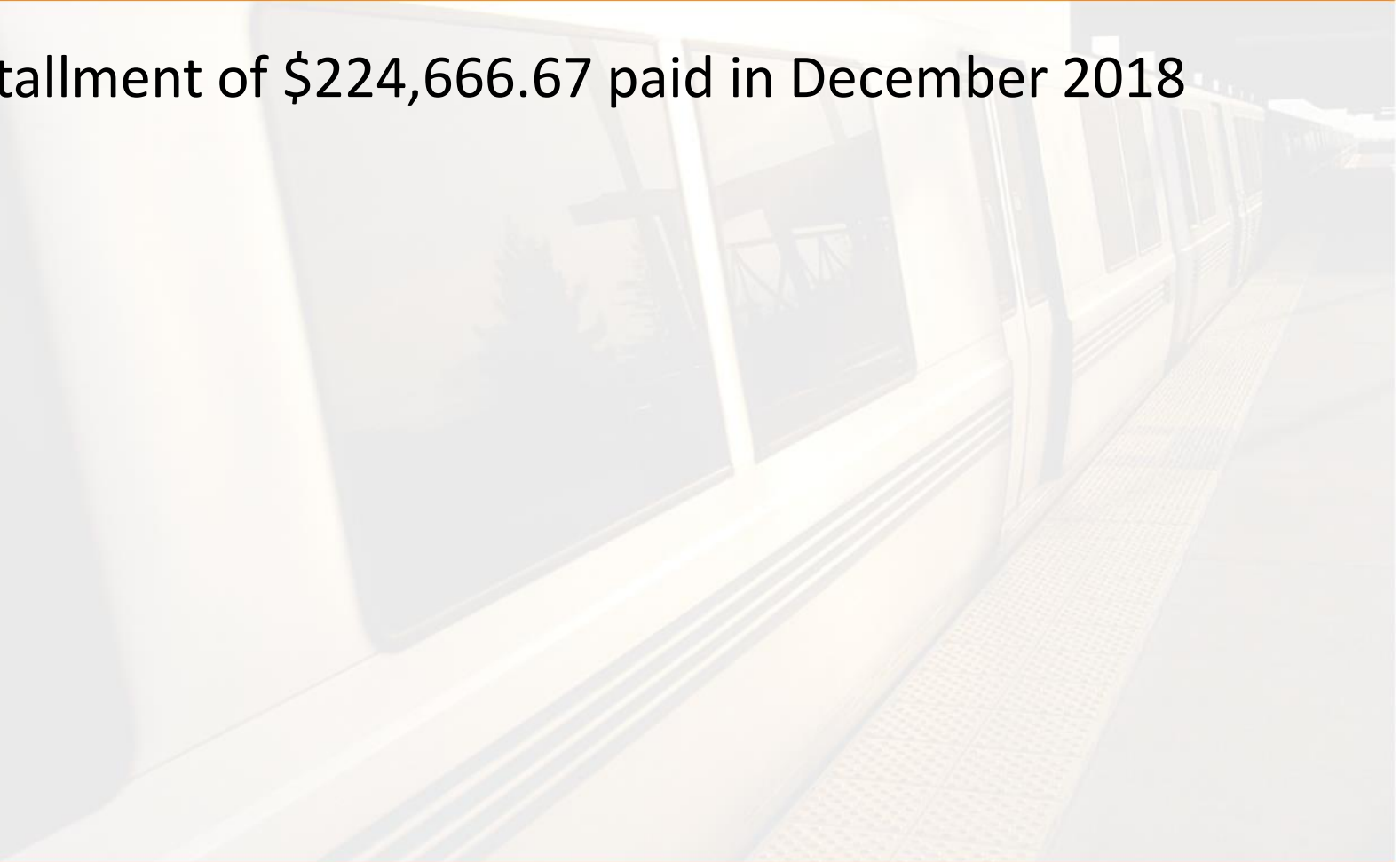
May 2019



Condition of Probation: Fine



First installment of \$224,666.67 paid in December 2018



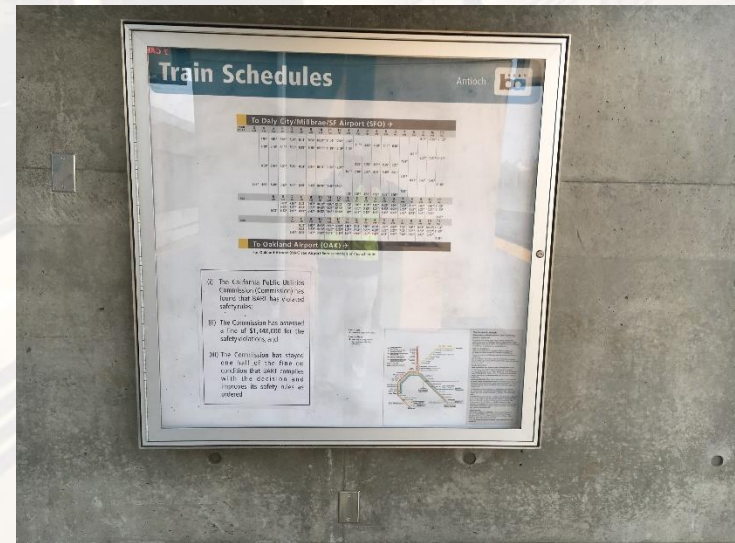
Condition of Probation: Signage



Probation Term #1

Signage posted at each station

Status: Completed



Condition of Probation: Annual Safety Violation Reporting



Probation Term #2

Safety violations tracking

**Status: Completed. 1st Annual Report Submitted to
SED Director on 1/28/19**

- *Integrate reporting into MAXIMO Health, Safety, Environment (HSE) Module*

Condition of Probation: Safety Culture



Probation Term #3

Safety Culture Gap Analysis is in progress

Status: Gap Analysis will result in road map plan for improvement over multiple years

- *Currently under contract with Transportation Resource Associates, Inc. (TRA)*

Condition of Probation: Safety Training



Probation Term #4

40-hour annual safety refresher courses for managers and supervisors that enforce safety compliance

Status: First Year Program submitted April 11

- *Subsequent year(s) program under development*
- *Seeking to establish appropriate training program at all levels of management to enforce safety culture improvement*

Safety Culture at BART



Since 2013 Safety Programs have been improved:

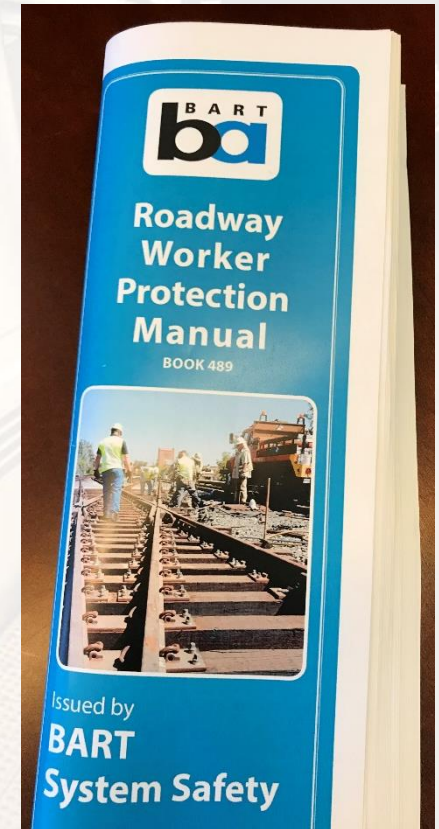
- GO 175: Roadway Worker Protection Program
- GO 172: Personal Electronic Devices
- Right of Way Safety Barrier and Fencing Program
- Operations Safety Compliance Program
- Personal Protective Equipment (PPE) Policy
- Safety Reporting and Complaint Investigation
- Internal Safety & Security Audit Program
- Environmental Compliance
- Employee Safety Training
- Union Management Safety Committees

Roadway Worker Protection (RWP) Program



Roadway Worker Safety Program completely revamped in 2014

- New program approved by the CPUC
- Employees, including managers certified
 - *regular recertification required*
- New RWP Safety Manual and Procedures
- Near-miss reporting program launched
- Safety Oversight of Contracts working in the ROW brought in house
- Increased training requirements for contractors from 16 to 40 hours



Wayside Work During Revenue Hours



RWP Program is fully compliant with GO175

- BART made an investment in RWP of \$5.3M a year starting in FY15
 - *Increased workforce by 40 new EIC and Watch Persons*
- Wayside work shifted to non-revenue hours
- Increased Safety Oversight by hiring 2 safety inspectors to perform rules compliance checks during non-revenue hours

GO175 Safety Barrier and Fencing



- BART has invested \$2.5M in fencing and physical barriers to create a safer working environment
- Train Control equipment being relocated outside of the track zone as interlockings are rebuilt



Employee Safety Training



Safety Training Improvements:

- 2016 RS&S RWP Certification increased from 8 to 16 hours
- 2017 M&E RWP Certification increased from 32 to 40 hours
- 2018 M&E created an 24 hour EIC Certification Program
- Operations Managers required to maintain RWP certification
- 2017 established eBART Safety Training Program

Operations CPUC/Regulatory Training



- Extensive CPUC mandated training/certification requirements
- Typically, safety sensitive positions require periodic recertification
- Most modules classification specific, some across the board

Modules and Duration by Department

	One-Time	Annual	Bi or Triennial
eBART			
Systems	13 (88 – 144 hrs)	1 (8 hrs)	9 (16 hrs)
Operations	13 (125 – 345 hrs)	0	4 (16 hrs)
Vehicle Maintenance	20 (165 hrs)	0	3 (16 hrs)
M&E	24 (8 - 80 hrs)	1 (16 hrs)	25 (0.5 - 24 hrs)
Transportation	6 (240 - 2240 hrs)	0	15 (1 - 40 hrs)
RS&S	10 (4 - 120 hrs)	6 (0.5 - 4 hrs)	20 (0.5 - 8 hrs)

eBART CPUC/Regulatory Training Hours



Department	Position	Training Frequency	Hours	Number of Employees	Total Hours
Systems	Signal Maintainers	One-Time	144	5	720
	Track Maintainers	One-Time	88	5	440
Operations	Supervisors of Operations	One-Time	345	13	4485
	DMU Engineers	One-Time	125	20	2500
Vehicle Maintenance	Composite Vehicle Mechanic	One-Time	165	13	2145

eBART CPUC/Regulatory Training



Program	Training Frequency	Hours	Number of Employees	Number of Contractors	Total Hours
Roadway Worker Protection Certification	One-Time	12.0	71		852
Roadway Worker Protection Recertification	2 yrs	8.0	0		0
Roadway Worker Protection Certification - Contractor	One-Time	8.0		15	120
Roadway Worker Protection Recertification - Contractor	2 yrs	8	0	0	0
Signal Maintainers Certification	One-Time	144	5		720
Track Maintainers Certification	One-Time	88	5		440
Supervisors of Operations Certification	One-Time	345	13		4485
DMU Engineers Certification	One-Time	125	20		2500
Composite Vehicle Mechanic Certification	One-Time	165	13		2145

M&E

CPUC/Regulatory Training



Program	Training Frequency	Hours	Number of Employees	Number of Contractors	Total Hours
Roadway Worker Protection Certification	One-Time	40.0	848	243	43,640
Roadway Worker Protection Recertification	2 yrs	8.0	848	32	7,040
Personal Electronic Device	2yrs	0.5	848		424
Roadway Worker Protection Certification - Contractor	One-Time	16.0		2	32

Note: Employees for M&E only. Contractors District wide

RS&S

CPUC/Regulatory Training



Program	Training Frequency	Hours	Number of Employees	Total Hours
Roadway Worker Protection for RSS New Hire, per Book 489	One-Time	16	512	8192
Roadway Worker Protection Recertification for RSS, per Bk 489	2 Years	8	512	4096
CPUC Certification for New Hires*	One-Time	24	292	7008
CPUC Recertification*	3 Years	4	292	1168
Move Crew Certification**	One-Time	120	174	20880
Move Crew Recertification**	1 Year	4	174	696
Personal Electronic Device	2 Years	0.5	740	370

*TVMs, TVETs, QTLs

**TVMs in Primary Shops

Transportation CPUC/ Regulatory Training



Program	Training Frequency	Hours	Number of Employees	Total hours
OCC Manager Certification	One Time Promotion/New Hire	240	7	1680
Train Controller Certification		1600	26	230,400
Power Support Certification		400	9	3600
Train Operator Certification		680	456	310080
Station Agent Certification		680	338	229840
Foreworker Certification		2240	77	172480
OCC Manager T/C Recertification	Every 2-Years	16	7	112
OCC Manager P/S Recertification	Every 3-Years	16	7	112
Train Controller Recertification	Every 2-years	16	26	384
Power Support Recertification	Every 2-Years	16	9	144
Train Operator Recertification	Every 2-years	40	456	18600
Station Agent Recertification	Every 3-Years	40	338	13520
Foreworker Recertification	Every 2-years	40	77	3080
<u>RWP</u> Train Operator	Every 2-Years	4	456	1824
Station Agent	Every 2-Years	4	338	1352
Foreworker	Every 2-Years	8	77	308
OCC Employees	Every 2-Years	8	55	440
<u>PED</u> Train Operator	Every 2-Years	1	456	456
Station Agent	Every 2-Years	1	338	338
Foreworker	Every 2-Years	1	77	77
OCC Employees	Every 2-Years	2	55	110

Injury Illness & Prevention Program



Program	Training Frequency	Hours	Number of Employees	Total Hours
Injury and Illness Prevention	One-Time	.75	3003	2252
Ergonomics Awareness / Office	One-Time	0.5	2201	1100
Ergonomics Awareness / Industrial	3 Years	0.5	2078	1039
Hearing Conservation	One-Time	0.5	1165	582
Lock Out / Tag Out	One-Time	0.5	1452	726
Personal Protection Equipment	3 Years	0.5	2560	1280
Hazard Communication	3 Years	0.5	1693	846
Emergency Action	One-Time	0.5	2806	1403
Material Handling	3 Years	0.5	1000	500
Universal Waste	3 Years	0.5	702	351
Crane Safety	3 Years	1	567	567
Power and Hand Tool Use	3 Years	0.5	1074	537
Safe Operation of Utility Carts	3 Years	0.5	1330	665
Safety Inspection	One-Time	0.5	642	321

IIPP System Safety Department requirements determined by job class and work location

Injury Illness & Prevention Program



Program	Training Frequency	Hours	Number of Employees	Total Hours
Accident Reporting / Investigation	3 Years	0.5	368	184
Fall Prevention Construction Environment	3 Years	0.5	530	265
Fall Prevention	3 Years	1	729	729
Fall Prevention Equipment Inspection	One Time	2	63	126
Bloodborne Pathogens in the Workplace	1 Year	0.5	1145	572
Respiratory Protection Awareness and Fit Test	1 Year	1	449	449
Respiratory Protection	1 Year	0.5	492	246
Hazardous Waste/Hazardous Materials	1 Year	0.5	1302	651
Storm Water Pollution Prevention	1 Year	0.5	1333	666
Non-Emergency HazMat Spill Response	1 Year	0.5	1333	666
Ladder Safety	3 Years	0.5	1573	786
Dust Mask Protection	3 Years	0.5	1013	506
Electrical Safety High Voltage	3 Years	0.5	1939	969
Welding/Hot Work Safety	3 Years	0.5	480	240
First Aid	3 Years	0.5	3003	1501
First Aid, CPR and AED Certification	2 Years	4	402	1608

IIPP System Safety Department requirements determined by job class and work location

Injury Illness & Prevention Program



Program	Training Frequency	Hours	Number of Employees	Total Hours
Asbestos, Lead and PCB Awareness	1 Year	2	580	1160
Confined Space Entry	3 Years	0.5	241	120
Confined Space for Ops Supervisor Liaisons	3 Years	0.5	34	17
Heat Illness Prevention	1 Year	0.5	664	332
Spill Prevention and USTs	1 Year	0.5	11	5
Spill Prevention Control and Countermeasures	1 Year	0.5	367	183
Forklift Certification	One-Time	8	867	6936
Forklift Recertification	3 Years	4	867	3468

Operations Safety Compliance Program



- Operations provides quarterly Safety Incident Trend Analyses to System Safety
- Operations utilizes automated reporting process (MAXIMO)
- System Safety tracks and monitors results of Operations' safety compliance checks
- M&E increased scope of safety compliance checks in 2016
- OCC Monthly No Notice Drills ongoing
- Added eBART in 2017

Operations Safety Compliance Program



- CPUC Mandated
- Field Safety Compliance Checks/Audits by Supervisors & Managers
- Overseen by System Safety which also conducts its own checks

2018 Safety Compliance Checks		
	Number of Checks	Safety Areas/Categories Checked
M&E	2,156	51
Transportation	1,106	32
RS&S	2074	10

M&E

Operations Safety Compliance Program



Division	Required	Completed in 2018	Safety Areas
ROW Maintenance	1124	1095	48
Facilities Maintenance	1032	1245	16

M&E

Operations Safety Compliance Program



Program CY18	Minimum Yearly Checks	Areas Checked	Compliance	Number of Employees
Electrical		10	72%	242
Escalator/Elevator		3	85%	136
General		13	88%	3370
NRVE		13	89%	113
Systems Maintenance		9	100%	11
Way and Facilities		7	74%	43
Total Checks	4360	55	86%	3915

RS&S

Operations Safety Compliance Program



Program CY18	Minimum Yearly Checks	Areas Checked	Compliance	Number of Employees	Total Hours
Radio Communications		6	97%	211	NA
Under-Floor Lift Operation		7	100%	40	NA
Move Crew	52	5	100%	201	NA
Transit Vehicle Hostling		5	100%	11	NA
Personal Protective Clothing & Equipment and Ergo Devices		9	94%	1224	NA
Overhead Crane Operation		6	100%	30	NA
Personal Electronic Device Rule Compliance		9	98%	242	NA
Workstation Safety (Secondary)		6	96%	50	NA
Forklift (Secondary)		7	90%	29	NA
Lockout/Tagout		5	75%	36	NA
Total Checks	1576	9	95%	2074	NA

eBART Operations Safety Compliance Program



Program CY19	Minimum Yearly Checks	Areas Checked	Compliance 1 st Quarter	Number of Employees
Operations Safety Compliance Plan (OSCP)	25% of all Engineers. 100% annually per Engineer	2 (yard, mainline)	100%	17
In-Cab Video Reviews per General Order 172	25% of random checks of Engineers and CVM's per quarter	1 (cab)	100%	27
DMU Engineer Evaluations	1 per quarter per Engineer	2 (yard, mainline)	100%	17

Transportation Operations Safety Compliance Program



Program CY18	Minimum Yearly Checks	Areas Checked	Compliance	Number of Employees
Train Operator/Foreworker Safety Compliance Plan (OSCP)	26 annually per supervisor	12	99%	533
Train Operator In-Cab Video Reviews General Order 172	184 annually	1	99%	456
Train Operator Ride Checks	456 annually	20	100%	456
Total Individual Supervisor Checks	1,106	32		

Operations Control Center (OCC) Monthly No-Notice Drills



- Ensures the readiness of the Control Center for emergencies
- No-Notice Drills are conducted every shift, every month on the console or as tabletop exercises with a representative of each group in the room (Train Controller / Power Support / Comspec / Tango)
- Drills filed in OCC Compliance Binder

eBART Emergency Preparedness Drills



- 6/28/17 Facility Evacuation Drill
- 11/14/17 - Active Shooter Tabletop Drill
- 2/20/18 - Train Derailment Full Scale Exercise
- 11/14/18 – Suspicious Package Tabletop Drill
- 12/17/18 – Facility Evacuation Drill
- 2/25/19 Suspicious Package Full Scale Exercise

Personal Protective Equipment (PPE)



New PPE Policy for Roadway Workers meets/exceeds state/federal requirements and standards:

- *OR&P 2507: All persons entering the mainline right of way will wear the following minimum Personal Protective Equipment (PPE) meeting District specifications:*
 1. Safety Vest
 2. Hard Hat
 3. Safety Glasses
 4. Safety Shoes



Safety Reporting and Complaint Investigation



Multiple ways for employees to report safety issues:

- 24/7 Access – Day/Night safety staff (only RTA in CA)
- BART Safety Notice – online
- Unusual Occurrence Report – online system
- Safety Committees
- Staff email/phone/fax
- Safety Hotline
- Near-Miss Reporting

The screenshot shows the BART Safety Notices web application. The header includes the BART logo and the text 'BART Safety Notices'. Below the header, there are search filters for 'BSN No.', 'Submitter', 'Status', and 'Location'. A table lists safety notices with columns for BSN No., Category, Safety Issue, Notice Date, Status, Result Notes, Submitter, Location, and File Type. Two entries are visible in the table.

BSN No.	Category	Safety Issue	Notice Date	Status	Result Notes	Submitter	Location	File Type
03469	BUILDINGS/GROUNDS ISSUES	TWO EGRESS DOORS IN TUNNEL NON-FUNCTIONAL, PLEASE REPAIR	7/02/14	PENDING	STRUCTURES (ED PACE) HAS REQUEST FOR REPAIR 9/23/14. THEY HAVE A CONTRACTOR INVOLVED. 1/13/15, TAFAGHOOI CONTACTED FOR AN UPDATE. 1/14/15, NO RESPONSE. 1/15/15, ED PACE CURRENTLY COORDINATING PROJECT WITH CONTRACTOR AND ENGINEERING, NOW WAITING FOR QUOTE FOR REPAIR.	DAVID BRADY	WALNUT CRK TUNNEL	NOTICE
		LIGHTS ON NORTHSIDE OF PLATFORM HAS BEEN						

Internal Safety & Security Audit Program



System Safety audits safety programs managed by Operations and other departments every year

- Scope of audits has expanded by 15% to include Equipment Inspection
- CPUC staff participated and approved BART annual summary reports

- Number of recent audits performed:

2018 – *RS&S in 39 areas; Procurement in 1; Leave Management in 1; BPD in 1*

2017 – *M&E in 31 areas; System Safety in 11; BPD in 2*

2016 – *Transportation in 22 areas and BPD in 2*

eBART Internal Safety & Security Audit Program



System Safety audits safety programs managed by Operations and other departments every year

- CPUC staff participated and approved eBART's 2018 annual summary report
- Number of recent eBART audits performed:
 - 2018 – 3 Audits covering 6 sections of the eBART SSPP*
 - 2019 – 1 Audit performed covering 2 sections of the eBART SSPP*
 - 3 additional audits scheduled*
 - 2020 – 4 Audits scheduled*

Environmental Compliance



System Safety responsible for control, management and disposal of hazardous materials

- Compliance is maintained to ensure employee safety at the shops, facilities, and other work locations
- Two new full-time positions have been added in System Safety to ensure compliance and support Operations
- M&E Managers are required to perform four Environmental Compliance Safety Checks per month

Safety Committees



- Joint Union Management Health & Safety Committee (JUMHSC)
- Local safety committees
 - *M&E – Monthly Union Management, Weekly Tailgate Safety Meetings*
 - *RS&S – Monthly Shop Union Management Meetings, Weekly Tailgate Safety Meetings*
- New committee has been created:
 - *GM Frontline Employee Safety Committee*

New Safety Initiatives

Safety Awards Program



BART has implemented these no lost-time injury safety rewards initiatives:

- RS&S – 100 days
- M&E – 1 year
- Transportation – 6 months



New Safety Initiatives

Enhanced Roadway Worker Protection

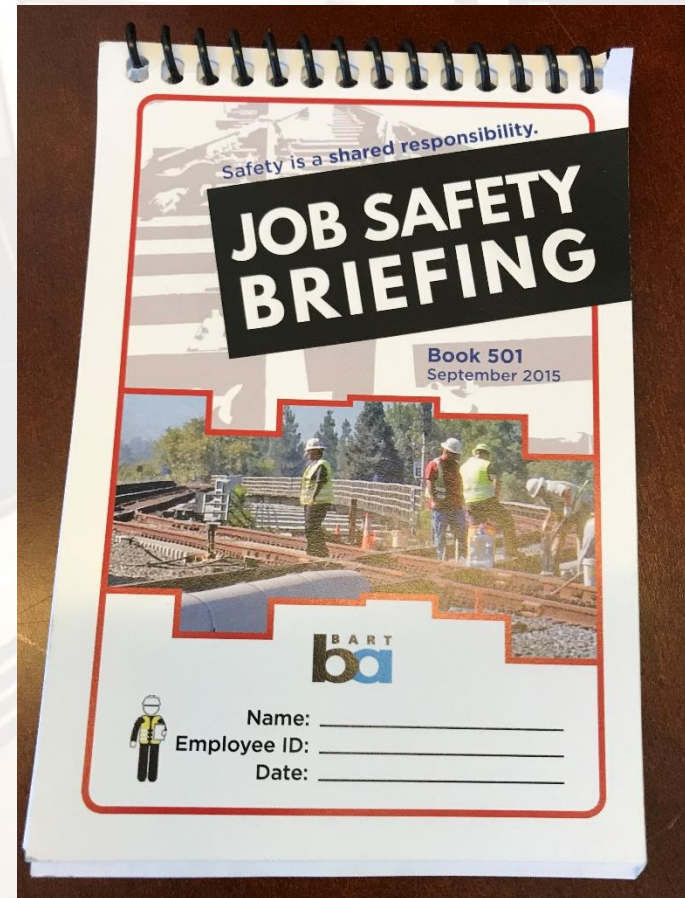


Job Safety Briefing Book

- *Required for all M&E Roadway Workers*

Job Safety Record

- *Required for all M&E Employees In Charge (EIC)*

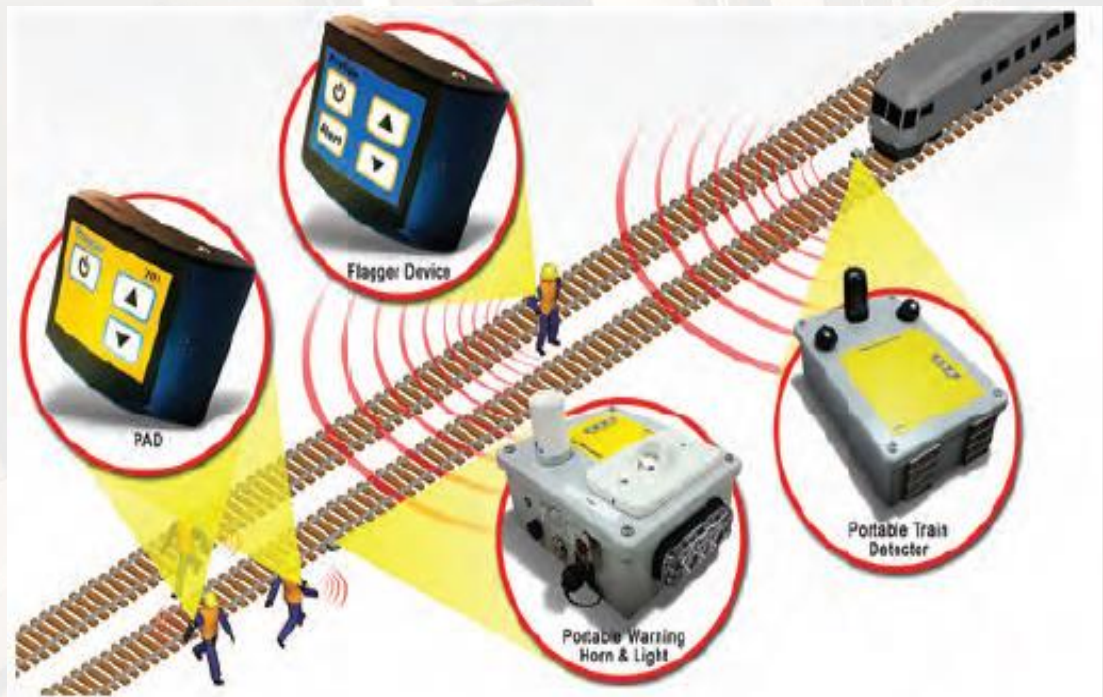


New Safety Initiatives

RWP Early Warning System



BART has completed testing & evaluation
Next step: Procurement



New Safety Initiatives

RWP Early Warning System



eBART has procured the EMTRAC RWP Early Warning System
Next step: Installation and testing

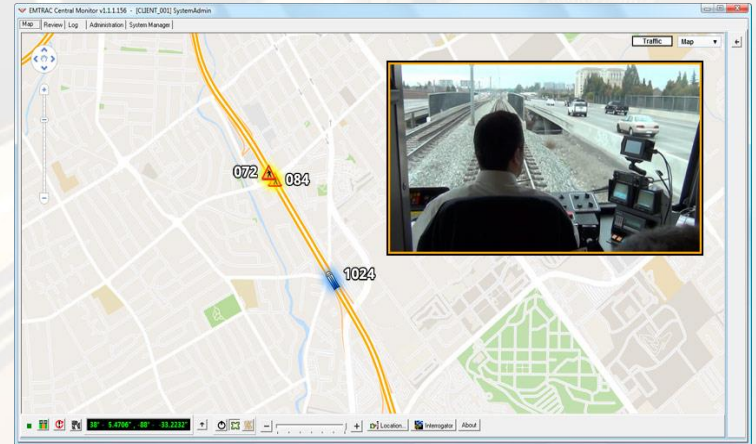
VNU



PNU



CENTRAL MONITORING



New Safety Initiatives

Increased Interaction with CPUC



- Quarterly CPUC-BART Safety Meetings in place since 2014
- Increased reporting and tracking of Operating Hazards
- New Monthly CPUC-BART CAP Meetings

New Safety Initiatives

New Department of Fire Life Safety



New Department of Fire Life Safety under development

- Consultant currently staffing – K&J Safety
- Carried in FY20 Budget
- Will Report to CPUC
 - *Fire life safety hazards*
 - *Fatalities on scene or within 30 days of fire event*
 - *Serious injuries from fire event*
 - *Quarterly fire/ smoke events*
 - *Findings of non-compliance with FLS equipment*
 - *Modification to FLS Systems*
 - *Corrective Action Plans*

Major Capital Programs & Projects



Making BART System Safer:

- System Rebuilding (Measure RR)
- Station Modernization Program
- BART Earthquake Safety Program
- Station Hardening
- New BART Train Cars
- Train Control Modernization
- Hayward Maintenance Complex

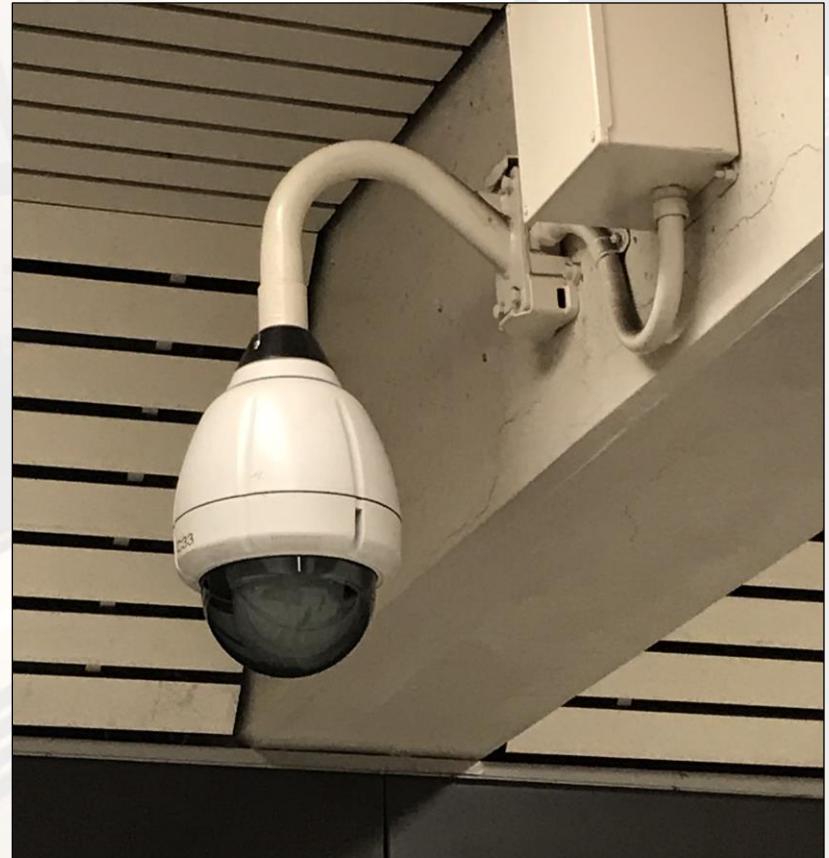


Safety & Security Upgrades

Security Cameras

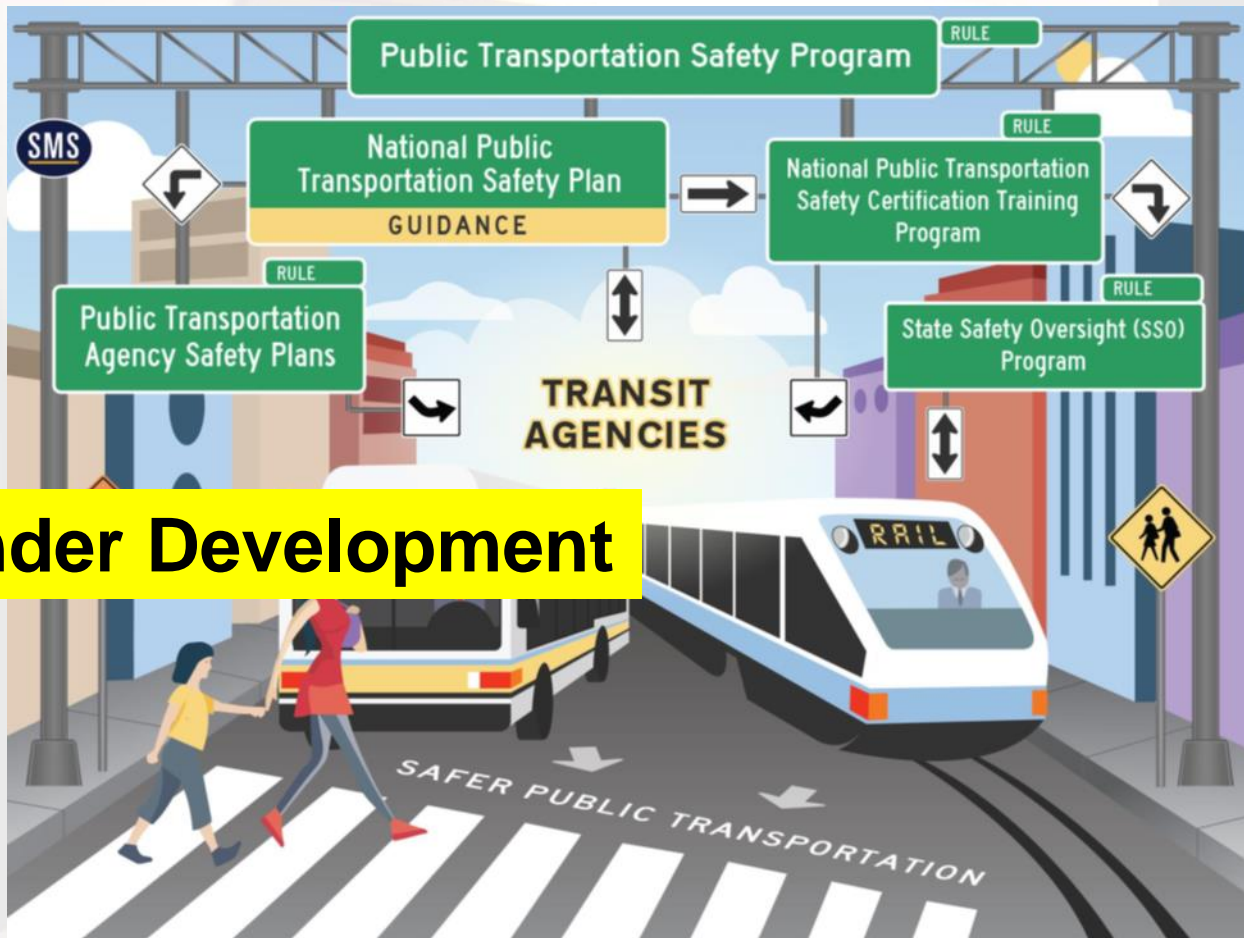


- Districtwide Conversion of analog to HD CCTV digital cameras (Currently over 4,500 cameras on BART)
- Installation prioritization based on BART Police crime analysis
- Total Estimated Cost \$12.3 Million, 4.5 Year Buildout
- Technological and functional uniformity across the stations, cars, parking lots and garages



New Safety Initiatives

New SMS Safety Data Analyst



Under Development

Safety Culture and SMS



FTA requires all transit agencies to have an Agency Safety Plan in place by April 2020

- BART Agency Safety Plan will incorporate above safety programs and initiatives
- BART will work closely with CPUC to get the Agency Safety Plan approved

Safety Culture Gap Analysis



- BART has retained safety experts to conduct comprehensive safety culture assessment and gap analysis in preparation for SMS adoption
- Assessment is ongoing
- Results will be shared with CPUC SED staff



Safety Culture at BART

2014 CPUC Triennial Safety Audit



On BART's safety culture and top management commitment to safety:

"The reviewers and inspectors who participated in the On-Site System Safety Review concluded that BART has a comprehensive SSPP, and is generally effectively implementing it."

"BART changed performance evaluation to include safety.....which shows commitment to safety and the desire to improve safety culture"

Safety Culture at BART

2017 CPUC Triennial Safety Audit (Draft Report)



On BART's safety culture and top management commitment to safety:

"BART integrates safety into operations and maintenance activities by actively investigating more employee and patron incidents, improving its safety culture,.... and encouraging its employees to bring any safety issues not resolved at the local level to management's attention by submitting a Safety Notice."



Regular Agenda- Management Reports and Resolutions (continued)

Item # 64 [17365]

**Bay Area Rapid Transit to Meet Commission Compliance
Ordered by Decision 18-10-020, Paragraph 5.e**

**Bay Area Rapid Transit (BART) to report on Annual Safety and
update on BART's ongoing efforts to improve safety.**





Management Reports





The CPUC Thanks You For Attending Today's Meeting

**The Public Meeting is adjourned.
The next Public Meeting will be:**

**May 16, 2019 at 9:30 a.m.
in Oxnard, CA**

