Blue Line System
Disruptions &
Investments Update
June 16, 2016





Rail Incident Recap

During FY15 - FY16:

- 20-26% of systemwide rail incidents were related to electrical issues
- 7-13% of systemwide rail incidents were related to the utility providers (SCE/DWP) experiencing power failures
- 32-40% of Metro Blue Line (MBL) incidents were related to electrical issues

Rail Incidents Recap July 1, 2014 - Present

Fiscal Year	System	# of Incidents	% of Total
FY15	Electrical	25	20.7%
	ocs	6	5.0%
	Other	14	11.6%
	Utility	9	7.4%
FY15 Total		54	44.6%
FY16	Electrical	32	26.4%
	Mechanical	1	0.8%
	ocs	7	5.8%
	Other	11	9.1%
	Utility	16	13.2%
FY16 Total		67	55.4%
Grand Total		121	100.0%

Blue Line Only

Fiscal Year	System	# of Incidents	% of Total
FY15	Electrical	20	32%
	ocs	4	6%
	Other	3	5%
	Utility	1	2%
FY15 Total		28	44%
FY16	Electrical	25	40%
	ocs	4	6%
	Other	3	5%
	Utility	3	5%
	FY16 Total	35	56%



MBL Power Outages





MBL power outage causes:

- 1. Manufacturing and calibration issues related to traction power substations
- 2. Vulnerability of traction power system utility outages
- 3. State of Good Repair of traction power underground feeders in Downtown L.A. and in Long Beach



MBL Station Investments

- Top MBL Electrical Projects:
 - 1. MBL Traction Power Substation (20 substations)
 - 2. MBL Overhead Catenary System Rehabilitation
 - 3. MBL Rail Replacement & Booting
 - 4. MBL Signal System Rehabilitation
- MBL FY17 Investment Levels:
 - Over \$35M
 - Includes State of Good Repair and safety
 & security projects





