



CENTRAL MAINTENANCE FACILITY ACTION PLAN

Being a Good Neighbor to the Communities We Serve

DECEMBER 2020 UPDATE





SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

INTRODUCTION





Section 1. Introduction

Metrolink's mission is "To provide safe, efficient, dependable, and on-time transportation service that offers outstanding customer experience and enhances quality of life." That mission applies throughout the region, including to the communities where our trains operate or near our stations and maintenance facilities.

Metrolink provides great benefits to the region, such as reduced traffic congestion and emissions. Nevertheless, we realize there may be more localized impacts to the homes, businesses and communities located adjacent to our stations and maintenance facilities. The people who make up the Metrolink Board of Directors and staff pledge to be a good neighbor in each community where our stations and maintenance facilities are located.

Background

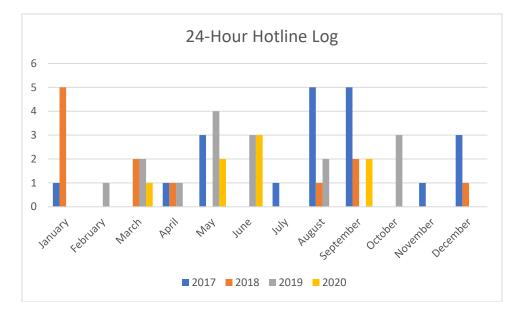
In order to serve the Southern California region, Metrolink operates 365 days a year. The Central Maintenance Facility (CMF) serves a critical role enabling Metrolink to provide this regional service. CMF is one of two service, inspection and repair facilities in the Metrolink system and the only facility equipped to handle heavy maintenance and repair. Following early morning peak runs, nearly all Metrolink trains arrive at CMF to be inspected, tested, fueled, cleaned and serviced for afternoon departures. During the inspection and testing process, Metrolink is required to run the locomotives and perform various functional tests mandated by the Code of Federal Regulations 49 Parts 200-299. Testing usually takes between 45-60 minutes per train set but may take longer depending on the status of the equipment arriving for service. Any defects found during testing need to be addressed prior to departure.

Metrolink has a long history with the CMF community -- including residents, businesses, elected officials and other stakeholders in Cypress Park, Glassell Park and Elysian Valley. In the past nine years, Metrolink has made various operational enhancements and modifications to reduce negative impacts to the community, including but not limited to:

- Purchasing 40 new clean Tier 4 locomotives that reduce emissions between 65% and 85% compared to legacy Tier 2 and Tier 0 locomotives, respectively (A \$279.8 million investment).
 - Initial purchase of 20 locomotives authorized by the Metrolink Board in December 2012.
 - o Board exercised a contract option for another 20 units in July 2015.
 - 35 Tier 4 locomotives are in service, and 25 legacy locomotives have been decommissioned.
- Using ground power stations at the Service and Inspection track locations at CMF to provide power when locomotives are being serviced, which has reduced idling noise and emissions. In March of 2015, this program was expanded by adding five ground power stations. Overall, this program has reduced emissions, as follows:
 - Use of ground power reduced idling time by 14% at CMF from 2010 to 2017;



- 70% reduction of average Head End Power (HEP) engine run time at CMF from 2010 to 2017 achieved by the implementation of Automatic Engine Stop-Start (AESS), reduction of trains at CMF from 40 trainsets to 25 trainsets, use of ground power, and optimized operational practices;
- 47% reduction of average locomotive engine run time from 2010 to 2017 achieved by the implementation of (AESS), reduction of trains at CMF from 40 trainsets to 25 trainsets, and optimized operations practices;
- Reduced HEP and Locomotive engine runtime at CMF by 58% since 2010 by the implementation of AESS, reduction of trains, use of ground power, and optimized operational practices.
- In August 2016, Metrolink established a 24-hour hotline for the community to contact staff in order to report anomalies taking place at the CMF. A graph of the number of calls taken since 2017 can be found below.



- Limited the hours for load testing, the loudest maintenance activity, and sand deliveries to reduce early morning or late-night disturbance to the community.
 - Assuming no emergencies load testing occurs during the weekdays from 9:00 a.m.- 6:00 p.m. and on the weekends starting at 10:00 a.m. These updates were made in April 2016.
 - Sand delivery process changes made in December 2018

Despite the modifications and commitments made in the past, members of the CMF community expressed concerns to Metrolink's Chief Executive Officer Stephanie Wiggins at a community meeting on April 11, 2019. She committed to review the concerns raised at the meeting with her team and to come back to the community with an action plan. On May 9, 2019 Ms. Wiggins introduced the CMF Community Action Plan to the community and



committed to provide monthly written updates and quarterly in-person meetings to discuss progress.

Section 2. Action Plan Outline

Our approach to the action plan is to focus on three key areas

- <u>Audit Current Operations</u>: We will audit operations to ensure we are adhering to commitments made to the community by Metrolink in the past. Staff will re-evaluate our current operations to determine what other modifications we can make to be a better neighbor.
- <u>An Independent Noise Study</u>: We will engage a third party to conduct an independent noise study in coordination with the community.
- <u>CMF Modernization</u>: We will develop a CMF Facility Modernization Plan to identify major improvements that can modernize the facility operations to enhance the quality of life experience of the communities living near the CMF.

The action plan is divided into three timeframes: short-term (0-6 months), mid-term (6-18 months) and long-term (18+months) (Table 1).

Short-term	Mid-term	Long-term
(0-6 months)	(6-18 months)	(18+ months)
 Optimize Use of Ground Power Stations Installation of Sound Monitors Internal Audit Independent New Noise Study Expedite 8 Tier 4 Locomotives into Service Change the Accountability Metrics of the Equipment Maintenance Contractor 	 Fleet Modernization Study CMF Modernization Study Complete Deployment of 40 Tier 4 Locomotives 	 10. Work Towards a Zero-Emissions Future 11. New Contracting Approach System-Wide Goes in Effect with New Accountability Metrics

Table 1. Shows the action items divided across the different timeframes.

UPDATE

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Section 3. Community Action Plan

SHORT-TERM (0-6 months)

Action Plan	Description	Completion Time Frame	Status Update
1. Optimize Use of Ground Power	Metrolink will establish ways to optimize the use of existing ground power stations at the CMF to reduce idling. Ground power stations provide power to the locomotives to run lights, and sometimes the air conditioner as the locomotives are being serviced. There are currently 19 ground power stations at the CMF. These ground power stations help reduce noise emissions as locomotives are being serviced.	By August 1, 2019	Update: Evaluation and analysis were completed on July 25, 2019 ahead of schedule.15 ground power stations can be used at one time, with a total of 19 stations at the CMF. New procedures with the contractor were implemented on September 16, 2019. Additional improvements to operating procedures were made in response to the Internal Audit completed on November 9, 2019. Also, additional plug in cables were ordered to ensure staff have a 10% spare ratio to ensure a cable can be quickly replaced in the event it is damaged or becomes non-functional for any reason. (100% complete) (See Appendix A and Appendix C for more details.)
2. Installation of Sound Monitors	Metrolink will install sound monitors throughout the yard to better track the origin of sound emissions to improve operations. By internally keeping track of sound we will have a better understanding of where sound is emitted from on our yard. This information will help us identify ways to improve operations to reduce sound emissions.	By July 1, 2019	On June 12, staff installed 2 monitors and rotated them throughout the yard at 8 strategic locations. Temporary sound monitor installation completed on July 1, on schedule. (100% complete) (See Appendix B. for more details.)
3. Performance Audit Report	Metrolink's Internal Audit department, which reports directly to the Metrolink Board of Directors, will audit the agency's CMF operations to ensure we are adhering to the previous commitments we have made to the community. The results will be presented to	By November 9, 2019	Update: The Internal Audit department completed the audit, which went to the Audit and Finance committee, and then to the Board in January 2020. These findings were also presented to the community at the community meeting on February 22, 2020. The Internal Audit Report can be <u>HERE</u> or <u>metrolinktrains.com/cmf</u> in the "community resources" section. Additionally, specific



	the Metrolink Board and shared with the community.		community comments and responses to those comments have now been posted to the website. (100% complete) (See Appendix C for more information.)
Action Plan	Description	Completion Time Frame	Status Update
4. LA Metro New Noise Study	An independent new noise study will be conducted and paid for by The Los Angeles County Metropolitan Transportation Authority (LA Metro).		December Update: Metro staff completed information and data gathering activities and made a presentation to the public on December 19, 2020. Visit <u>MetroCMFStudy.com</u> for more information and sign up to receive updates on this specific project directly from Metro.
5. Expedite 8 Tier 4 Locomotives into Service	Metrolink has ordered 40 Tier 4 locomotives. As of initiation of this action plan on May 30, 2019, 23 locomotives had been delivered, with 15 of those units being deployed. Metrolink will expedite the deployment of the remaining eight Tier 4 units that have been delivered.	By November 9, 2019	Update: Metrolink expedited eight Tier 4 locomotives into service on August 22, 2019 ahead of the target date. Metrolink will have a total of 38 locomotives on property in September. 35 Tier 4 locomotives are currently in revenue service. The remaining locomotives will be delivered in fall 2020. Deliveries had been delayed due to manufacturer challenges as a result of the COVID-19 pandemic. (See Appendix D for more details.)
6. Add Accountability Metrics for the Equipment Maintenance Contractor	Metrolink is in the process of changing our approach on how we hire equipment maintenance contractors. Metrolink is enhancing our maintenance contract and adding accountability metrics as part of the new bundled contract. This new structure will bundle rail operations, maintenance, and support services to improve the customer experience and service reliability, while maintaining the agency's strong commitment to safety.	By July 1, 2019	July 1, 2019: Advertised in RFP with more specific requirements and higher assessments for contractors who do not comply with requirements at CMF. Completed on June 17, ahead of schedule. (100% complete) (See Appendix E. for more details)



MID-TERM (6-18 months)

Action Plan	Description	Completion Time Frame	Status Update
7. Fleet Modernization Study	Metrolink will conduct a Fleet Modernization Study to identify other emission control methods and review vehicle technologies such as battery-operated locomotives and zero-emission multiple units.	March 2021	December Update: Staff continue to work with Member Agencies to explore options for the overhaul of the MP36 Tier 2 locomotive fleet. These options include a potential conversion to Tier 4 locomotives. Zero emissions and hybrid simulation work is wrapping up and a draft of the Alternative Propulsion findings have been circulated internally. Metrolink staff are preparing to update the Metrolink Board of Directors in February 2021 about the status of this study. Metrolink will also provide an update to the community at the upcoming February 27, 2020 meeting. (68% Complete)
8. CMF Modernization Study	Metrolink will conduct a CMF Modernization and EMF Phase 3 build out Study which will include the review of the 30+ year old facility, identify state-of-the-art facility operations, and integrate community input into service expansion design.	March 2021	 December Update: Solutions have been identified to address community concerns and other needs and draft concepts are under development, including potential temporary noise mitigation options. In an effort to address noise concerns in the near-term, staff are exploring options for a temporary sound wall at the service and inspection track. Staff met with a sound wall vendor for a site walk to identify initial issues that would need to be addressed to mitigate sound impacts. On December 22, staff met the sound wall vendor for a second site walk to explore a solution that would not impact the roadway leading in/out of CMF. Staff are awaiting updated pricing information and are working to determine how to contractually implement one of the temporary sound barrier solutions. Staff are preparing to update the Metrolink Board of Directors in January 2021 about the status of this study. (70% Complete)



9. Complete	Deploy all 40 Tier 4 locomotives.	Summer 2020	December Update:
Deployment of 40 Tier 4 Locomotives			39 of 40 locomotives have been deployed as of December 31, 2020. Upon delivery from the manufacturer, each locomotive must undergo extensive testing prior to its acceptance into service. Due to delays related to COVID-19, the 40 th Tier 4 locomotive will be delivered in Spring 2021.
			We have received several complaints regarding noise emanating from Tier 4 locomotives at the Central Maintenance Facility (CMF) when the weather is in high temperature. Metrolink is currently working on solutions to reduce the noise. Please see the <u>Noise Reduction Letter</u> for background information on these efforts. During the month of December staff applied noise reduction software on two additional Tier 4 locomotives.
			(97% complete)

LONG-TERM (18+ months)

Action Plan	Description	Completion Time Frame	Status update
10. Work towards a Zero-Emissions Future	Metrolink will pilot a program to explore battery operated locomotives or other technology to reduce emissions, which will initially be used in combination with diesel electric.	Ongoing; Procurement approach to be developed in Spring/Summer 2021	 December Update: Metrolink, in partnership with Metro, received a Transit and Intercity Rail Capital (TIRCP) grant to upgrade the Metrolink Antelope Valley Line. The grant also includes funding for a zero-emissions pilot project for the corridor. Planning for the pilot project will be explored as part of the Metrolink Fleet Management Plan Update, which is kicked off at the end of August. Ongoing conversation with AQMD continues relating to potential future grant funding opportunities.



		3. Staff continue to engage with industry partners and vendors offering zero emissions solutions. Further evaluation of these options will be completed primarily through the Fleet Management Plan Update.
		4. In October, a demonstration was conducted at CMF of the electric car mover that Metrolink is working to procure. A Carl Moyer application was submitted to the AQMD Technology Committee for funding approval to fund the electric car mover. Unfortunately, this submission was unsuccessful. Metrolink staff continue look for more funding opportunities.
44 11		(16% complete)
11. New Contracting Approach System-Wide Goes in Effect with New Accountability Metrics	The implementation of the bundled contracting approach will include more specific and higher assessments for contractors who do not comply with commitments made to CMF neighbors.	December Update: As reported at the September CMF meeting, the Metrolink Board of Directors cancelled the bundled contract procurement due to budgetary concerns. Metrolink is enforcing the Good Neighbor Standards and Practices with the existing Maintenance Contractor. (See Exhibit D).
		Staff is reviewing all related contracts to determine how additional accountability measures can be applied. Staff will determine how to integrate additional accountability measures into future contracts that will remain unbundled, in addition to determining how additional accountability measures can be integrated into current contracts by amendment.
		Staff will continue to incorporate the community guidelines into its compliance provisions of the maintenance contractor agreement to guide its work going forward.
		(87% complete)



Section 4. Accountability & Transparency

Accountability is important as we complete our action plan. One aspect of accountability is providing more transparency. We will report on our progress and increase engagement with the community by:

- 1. Continuing the CMF monthly e-newsletter;
- 2. Updating the CMF Community Action Plan on a monthly basis and posting on the Metrolink website at: <u>metrolinktrains.com/cmf</u>;
- 3. Holding quarterly community meetings.

Contact information

If you have any questions, please contact Sylvia Novoa, Metrolink Public Affairs Manager, at

(213) 452-0300 or <u>Novoas@scrra.net</u>. We also have a 24/7 hotline (213) 452-0400. Or you can visit our website: metrolinktrains.com/community.

If you would like to attend a Board of Directors meeting, information can be found at www.metrolinktrains.com/about/board-meetings

APPENDICES





Appendix A

1. Optimize Use of Ground Power

Description: Metrolink will establish ways to optimize the use of existing ground power stations at the CMF to reduce idling. Ground power stations provide power to the locomotives to run lights, and sometimes the air conditioner as the locomotives are being serviced. There are currently 19 ground power stations at the CMF. These ground power stations help reduce noise emissions as locomotives are being serviced. Completion time frame of August 1, 2019.

Date Completed: July 30, 2019

Benefits: Cleaner air and less noise

Action:

 Tracked power stations to evaluate usage of ground power and compiled analysis to determine how we can increase usage. (See Exhibit B for ground power location sat the CMF.)

Findings:

- Inconsistent use of ground power by contractors
- Some ground power stations were malfunctioning and needed repair
- Shortage of ground power stations
 - Shortage of ground power stations limit the number of ground power stations that can be used. Different locomotives require different adapter cables and different cable lengths. Bombardier performed a survey and inventory check of all cables at every ground power station at CMF and has identified cable types and quantities needed in order to utilize all ground power stations. Bombardier then provided request for additional cables to Material control to place order.

Response by Metrolink:

- Sent official notice to Bombardier regarding required use of ground power.
 - First project letter was sent from SCRRA on 8/22/19 for Bombardier to implement a daily checklist which includes when unit was connected to ground power and when it was disconnected. We requested Bombardier to provide proposed daily checklist format. Over next two weeks, SCRRA and Bombardier worked on final format of tracking sheet as well as creating an SOP. On 9/16/19, SCRRA issued final SOP and tracking sheet that Bombardier would use and provide on a daily basis as part of their Morning submittal packet.
- Repair ground power stations as defects are reported.
 - The repair of ground power stations has been an ongoing task. On daily basis, Bombardier's Morning packet report has a section that lists facilities issues.
 Facilities team then coordinates to address these. On 8/26/19, Bombardiers report was that only ground power station functional at storage tracks is one on 1A and all were repaired by 9/4/19. As of now all are functional, no reports on Bombardier Morning packet.



- Placed order for additional cable connections.
 - Bombardier provided final request for shortage of cables to Material control on 9/11/19. Order for shortage of cables was issued to vendor on 9/13/19. Lead time for various items vary from 11/30/19 to 12/6/19.
- Established new procedures to track and document plugged-in equipment and power station defects.
 - New procedures to track ground power station usage in effect as of 9/16/19 when SCRRA issued final SOP and tracking sheet that Bombardier would use and provide on a daily basis as part of their Morning submittal packet.
- Established policy for locations where ground power is not accessible, available or practical to shut down equipment if departure time is more than one hour away
- Work with contractor to enhance ground power optimization (beginning mid-October)

Results:

- Increasing usage of ground power during servicing by four more train sets per day will reduce up to 150 hours of idling per month
 - The results will be seen when cables have arrived, and all ground power stations can be used under ideal conditions (i.e. equipment can be plugged in and other service/troubleshooting is not needed requiring equipment to be running)



CMF COMMUNITY ACTION PLAN

Exhibit A



Single ground power station

Double ground power station



Appendix B

2. Installation of Sound Monitors

Description: Metrolink will install sound monitors throughout the yard to better track the origin of sound emissions to improve operations. (The location map can be found in Exhibit A.) By internally keeping track of sound we will have a better understanding of where sound is emitted from on our yard. This information will help us identify ways to improve operations to reduce sound emissions. Completion time frame of July 1, 2019.

Date Completed: July 1, 2019

Benefits: Less noise

Action:

• Performed temporary sound monitoring for three weeks at ten locations

Findings:

 Noise levels were highest during the mandatory horn and load testing activities which occur throughout the day

Response by Metrolink:

- Requested quotes for permanent sound monitoring equipment installation to provide internal information and accountability for compliance with noise restriction policies.
 - Quotes for permanent sound monitors were requested on 8/8/19 and received on 9/12/19.

Results:

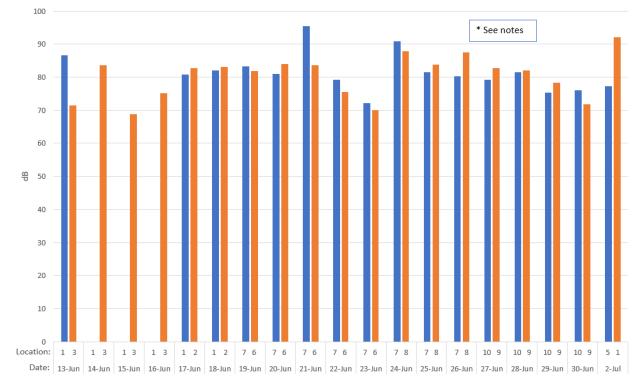
- Metrolink has better data on noise levels in the yard to support future mitigation efforts
- Metrolink plans to install permanent sound monitors to provide improved data and accountability for compliance with noise restriction policies
 - Funding was identified and pre-award authority on the project was approved on 10/15/19. Scope of work is written and will be send to contracts for procurement on 10/21/19



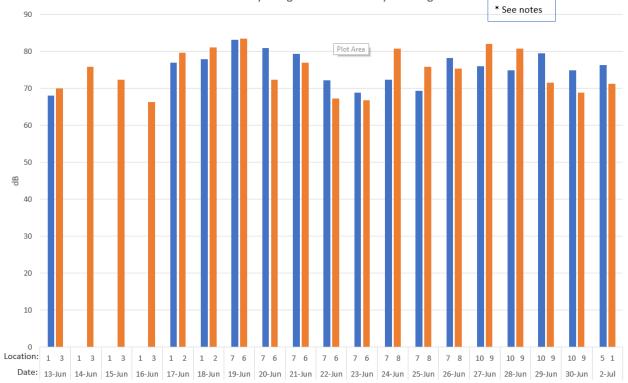
Exhibit B

Sound Monitor Results

June 13 - July 2 Day Time Max Daily Reading



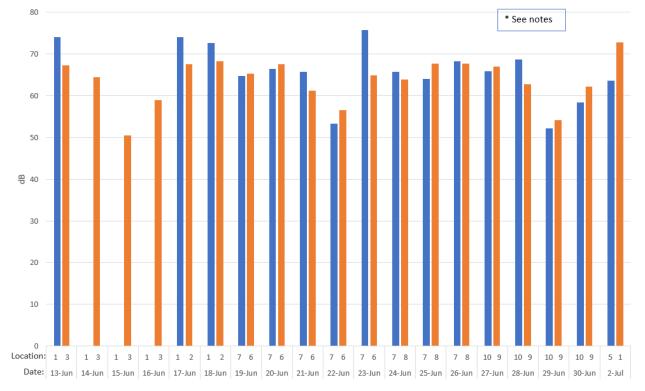




June 13 - July 2 Night Time Max Daily Readings

Locations





June 13 - July 2 Average 24 Hour Reading

* Sound study decibel readings represent sound level inside yard limits and <u>not</u> the sound emanating outside of the CMF property or heard by neighbors. Sound was recorded on intervals of one-minute average and <u>not</u> comparable to the 15-minute average outlined by city ordinance.

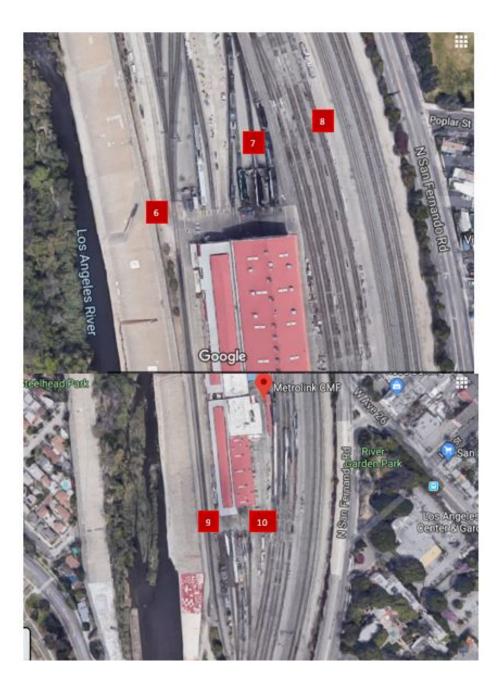




Sound Monitor Locations Maps









Appendix C

3. Internal Audit

Description: Metrolink's Internal Audit department, which reports directly to the Metrolink Board of Directors, will audit the agency's CMF operations to ensure we are adhering to the previous commitments we have made to the community. The results were presented to the Metrolink Board and then shared with the community at the CMF community meeting on February 22, 2020. The Internal Audit Report can be <u>HERE</u> or <u>metrolinktrains.com/cmf</u> in the "community resources" section.

Date Completed: November 8, 2019

Benefits: Accountability of operating procedures and commitments already in place

Process:

- Metrolink's Internal Audit Department had a kickoff meeting with departments involved
- Internal Audit toured the CMF Facility
- Internal Audit gathered procedures and materials from involved departments
- Survey distributed to 2,900 residents to include community concerns in audit scope (Exhibit C)

Findings:

• Internal Audit issued six findings:

Finding	Requirement
1. Contractor monitoring needs improvement	 No process was in place to monitor locomotives idling. An instance was noted where a locomotive was idling but there was nobody servicing the train No effective process in place to monitor compliance with load testing requirements Head End Power was running on 3 of the 5 test trips taken from Union Station to CMF
2. Ground Power Stations missing equipment	• It was noted there were 26 out of 50 jumper cables needed to optimize the use of Ground Power Stations.
3. Sand Silo Filter Housing: Timeliness and documentation of inspections needs improvement	 Inspection Documentation Pressure gauge readings, filter housing & dust seal joint condition not consistently documented Inspection Timeliness During the period between January 1, 2019 – October 31, 2019 two (2) instances of noncompliance noted
4. Sand Silo Hatch - Lack of guidance and training to use the access hatch	 Terminated sand delivery on September 28, 2019 due to damaged access hatch seal No guidelines to use the access hatch.
5. Environment stewardship requirements are not consistently followed	 Instances where trash containers were not covered Excess trash noted in service area



	 Plastic bottles, bottle caps, food containers, paper napkins, crushed cans, etc. A loose drainage connection between a passenger car being serviced to the sewage receptacle No contamination was noted however due to overflow catch being in place
6. Various standard operating procedures are inconsistent with current practice or other internal documents	 Load testing times - Good Neighbor Standards and Practices vs. posted signs at CMF Sand delivery time frames (Saturdays between 10 AM – 12 PM) – SOP vs. practice Load testing areas – diagram on the Metrolink website vs. practice

Response by Metrolink:

Responses	Status
 Audit Finding 1: Metrolink to provide contractors the current Good Neighbor Standards and Practices and Fuel Conservation Program Contractor received Good Neighbor Standards/Practices and Fuel Conservation Program Operations Manager will establish compliance checks with train crews at LAUS 	Completed 1/15/20
Audit Finding 1: Equipment Contractor to document Head End Power (HEP) status where HEP should be turned off when arriving to CMF. Equipment Contractor to log emergency load testing performed outside of load testing area o Tracking began o Permanent Sound Monitors to be installed at the CMF.	Completed 1/20/20
Audit Finding 1: Compliance checks to be established on Equipment Contractor for load testing on special trains as well as random compliance checks on idling equipment.	Completed 1/21/20
Audit Finding 2: Missing equipment received	Completed 12/9/19
Audit Finding 2: Good Neighbor Standard Practices to be drafted to clarify necessary equipment connections and usage of ground power stations.oSOP was drafted and submitted to Contractor and effective	Completed 1/21/20
Audit Finding 2: Ensure there is a 10% reserve inventory on Ground Power Station cables o Receipt of inventory pending	Completed 9/22/20
Audit Finding 3: Inspections completed weekly. Email notification provided to Management following each inspection.	Completed 10/1/19



Completed 10/1/19
Completed 9/30/19
Completed 1/16/20
Completed 11/7/19
Completed 1/21/20
Completed 12/9/19
Completed 1/31/20
Completed 2/20/20

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LEGEND . 1 Response 5 Responses . 10 Responses 8 **Central Maintenance Facility** ()Survey Distribution Area Distribution Breakdown: - Community Flyer Mailing - Dorris Place Elementary - Cypress Park Branch Library Cypress Park & Recreation Center Cypress Park Neighborhood Council - Posted on website N Survey distributed October 21, 2019 to November 8, 2019 · La encuesta fue distribuida del 21 de octubre al 8 de noviembre de 2019 Survey mailed to 2,900 residents · La encuesta fue enviada por correo a 2,900 residentes

Exhibit C CMF Survey Distribution and Responses Map

- · 300 surveys distributed to the school
- Distribution area parameters meet the requirments of the California Environmental Quality Act
- Total responses: 215

- 300 encuestas distribuidas a la escuela
- Los parámetros del área de distribución cumplen con los requisitos de la Ley de Calidad Ambiental de California
- Respuestes totales: 215



Appendix D

5. Expedite 8 Tier 4 Locomotives into Service

Description: Metrolink has ordered 40 Tier 4 locomotives. As of initiation of this action plan on May 30, 2019, 23 locomotives had been delivered, with 15 of those units being deployed. Metrolink will expedite the deployment of the remaining eight Tier 4 units that have been delivered. Completion time frame of November 9, 2019.

Date Completed: August 22, 2019

Benefits: Cleaner air

Action:

- Metrolink has deployed Tier 4 locomotives each month since the Action Plan began in May 2019
- Eight new Tier 4 locomotives have been deployed, for a total of 23 locomotives inservice
- This goal was completed August 20, 2019 -- ahead of schedule

Results:

- Eight Tier 4 locomotives only emit 19.6 tons of NO_x and particulate matter, while the eight decommissioned Tier O emitted 129.6 NO_x and particulate matter per year
- 84.88% reduction in emissions per unit

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Appendix E

6. Add Accountability Metrics for the Equipment

Description: Metrolink is in the process of changing our approach on how we hire equipment maintenance contractors. Metrolink is enhancing our maintenance contract and adding accountability metrics as part of the new bundled contract. This new structure will bundle rail operations, maintenance, and support services to improve the customer experience and service reliability, while maintaining the agency's strong commitment to safety. Completion time frame of July 1, 2019.

Date Completed: July 1, 2019

Benefits: Cleaner air and less noise

Action:

• Metrolink staff included new accountability metrics pertaining to load testing, idling and movement of equipment in the yard as well as environmental stewardship and sand delivery as part of the new maintenance contracts which are being advertised

Findings:

Insufficient contract requirements in existing contracts pertaining to neighborhood impacts

Response by Metrolink:

 Added requirements, as well as incentives and assessments, to address neighborhood impacts in the new maintenance contract which is in the procurement process (see Exhibit D)

Results:

- Added contract requirements, including "Good Neighbor" Standards and Practices (see Exhibit D)
- Added incentives for Innovation and Sustainability.
- Added assessments (monetary penalties of \$5,000 per instance) for failure to comply with the "Good Neighbor" Standards and Practices

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Exhibit D

METROLINK MAINTENANCE FACILITY OPERATIONS STANDARDS

"GOOD NEIGHBOR" STANDARDS & PRACTICES

This standard applies to any maintenance facilities located near residential neighborhoods. The Contractor shall schedule and perform all train and facility maintenance and repair activities to minimize the impact of noise and emissions on the surrounding community.

Work restrictions include, but are not limited to, the following:

- Locomotives should not be left to idle in the yard except when necessary for service or repair. Trains should be hooked up to ground power whenever possible (this applies to all SCRRA train service locations).
- Load testing should only be done in designated areas between the hours of 7:00 AM & 6:00 PM weekdays, and 10:00 AM & 1:00 PM on weekends.
- Contactor shall make every effort to schedule special train service and facility or track repairs to minimize community impact.
- Contractor shall not communicate directly with members of the adjacent communities. Contractor should coordinate communication through SCRRA Community Relations personnel.
- Contractor shall schedule sand deliveries on Saturdays after 10:00 AM.
- When performing night work, the Contractor shall disable back-up alarms on all utility trucks and equipment (Cal OSHA allows this when alarm is substituted with a spotter).

ENVIRONMENTAL STEWARDSHIP

- All waste generated must be separated as trash or recyclable (all SCRRA facilities).
- All trash and recyclable containers must be covered and not allowed to over flow (all SCRRA facilities).
- When receiving fuel or handling petroleum or other chemical products, all nearby storm drains must be covered.

SPECIFIC TO CENTRAL MAINTENANCE FACILITY

• Adhere to original MOU between Metrolink and the City of LA which requires that locomotives "will not idle at the site unless for the purpose of being serviced, and will not be moved at the site after 10 p.m. except for returning train sets destined for overnight storage at the facility or to initiate early morning service, thus noise at the CMF site will be reduced from former freight yard operating levels."

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Exhibit E

