EcoStruxure

Power Advisor

Electrical Health Report

Power Advisor Demo
Analysis Period: 2020-02-29 to 2020-03-06

Created On
Wednesday, March 31, 2021

Site Information
Power Advisor Demo
2195 Keating Cross Rd
Saanichton, British Columbia V8M 2A5

www.se.com

Life Is On | Schneider Electric

Contents

Report overview

Introduction 3

Analysis insights

Introduction 4
Overall score 5
Identified issues 7
Tests passed without issues 8

Issue summary

Introduction 9
Excessive Harmonic Distortion Condition (!) High priority 10
Excessive Lagging Power Factor (!) High priority 11
Transformer Overcapacity (!) High priority 12
Voltage Imbalance Condition (!) High priority 13
Under Voltage Condition 14
Over Voltage Condition 15

Analysis details

Introduction 16
Device details by issue 17

Reference

Introduction 42
Issues by device 43
Issues marked as Informational 44
Glossary 45

Disclaimer 46

Report overview

Introduction

This report identifies issues in your electrical power system. These issues can affect the performance of your electrical system and your ability to correctly assess its state. Hidden electrical system issues can negatively impact your business operations.

The information in the report is intended for qualified personnel who are responsible for servicing and maintaining your electrical system. Use this information to correct the issues and improve the performance and availability of the system.

The report contains the following sections:

Analysis insights

This section shows high level summary information on the issues found. It includes an overall assessment score for the health of the electrical system.

Issue summary

This section has summary information on each issue type, including a list of possible causes and recommended actions.

Analysis details

This section provides device and measurement level details related to the identified issues.

Reference

This section includes definitions, a list of the issues found by device, and additional device or issue related information.

Note

The findings in this report are based on a Power Advisor analysis of your power management system data for the analysis period. The report was prepared by one of our power system experts as a part of your Power Advisor Digital Service Plan.

Analysis insights

Introduction

This section provides high level summary information on the issues found by Power Advisor. It includes an overview of the type and priority of the issues and their overall impact on the electrical system health.

This section contains the following topics:

Overall score

This topic shows an overall assessment score for the health of the electrical system.

Identified issues

This topic lists the issues found in the system and their individual impact on the overall assessment score.

Tests passed without issues

This topic shows the Power Advisor tests your electrical system has passed without any identified issues.

Overall score

The overall score is an assessment of the health of your electrical system. The score is a number between 100 % and 0 %. A system with few identified issues has a higher score; a system with many identified issues has a lower score. A perfect system score would be 100 %.

To determine the electrical health score, Power Advisor runs a number of tests on the power management system data. A failed test indicates a possible system issue and leads to a reduction of the overall score. The impact of a failed test on the score depends on the type of test, the type and size of load affected, and other weighting factors.

You can think of the overall score as a snapshot of the health of your electrical system based on the system status and the electrical network conditions during the analysis period.

Note

The median score shown in the following chart is calculated across all power management systems that have been analyzed by Power Advisor. It is shown as a benchmark to help you compare your overall score to that of other systems.

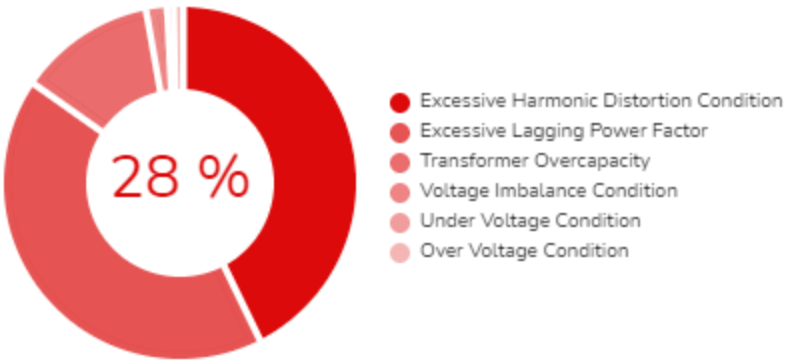
Overall score (continued)

The chart below shows your overall score compared to the median score of all other systems:

72 %

Your overall score: **72 % - fair**
Median score of all other systems: **66 % - fair**

The chart below shows a breakdown of the issues that had the biggest negative impact on the overall score:



Analysis insights

Identified issues

To determine the electrical health, Power Advisor runs a number of tests on the power management system data. A failed test indicates a possible issue with the data, the device that collected the data, or the electrical network that is being monitored.

The following table shows the possible issues identified for your system. The table is sorted by impact of the issue on the overall score, with the highest impact issue at the top.

Note

High priority issues can have a high impact on the system for each affected device. We recommend that you review and investigate these issues, even if the impact on the overall electrical health score is low.

Tip: Click the issue title to get more information about that issue.

Impact	Issue Description
11.86 %	Excessive Harmonic Distortion Condition High priority There are high levels of voltage total harmonic distortion (THDv) or current total harmonic distortion (THDi). Device affected: 3
11.63 %	Excessive Lagging Power Factor High priority There is a very low lagging power factor. Device affected: 1
3.44 %	Transformer Overcapacity High priority The peak load on the transformer is close to its rated capacity. Device affected: 1
0.53 %	Voltage Imbalance Condition High priority The voltage unbalance measurements fall outside of the recommended, standard defined limits. Device affected: 1
0.17 %	Under Voltage Condition Some of the voltage measurements fall outside of the recommended, standard defined limits. Device affected: 1
0.07 %	Over Voltage Condition Some of the voltage measurements fall outside of the recommended, standard defined limits. Device affected: 1

See Device details by issue for a list of devices affected by the different issues.

See Issues by device for a list of issues identified for each device.

Tests passed without issues

To determine the electrical system health, Power Advisor runs a number of tests on the power management system data. The following table shows the tests your system has passed without finding any issues. The table is sorted alphabetically by test description.

Your system has passed none of the tests.

Issue summary

Introduction

This section provides summary information on each of the identified issues, including a list of possible causes and recommended actions. The list of issues is ordered by impact on the overall score, with the highest impact issue first.

Issues:

Excessive Harmonic Distortion Condition (!) High priority 10
Excessive Lagging Power Factor (!) High priority 11
Transformer Overcapacity (!) High priority 12
Voltage Imbalance Condition (!) High priority 13
Under Voltage Condition 14
Over Voltage Condition 15

Important Note

Electrical equipment and power management software and devices should be installed, operated, serviced and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material. A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and power management systems and has received safety training to recognize and avoid the hazards involved.

Issue summary

Excessive Harmonic Distortion Condition High priority

There are high levels of voltage total harmonic distortion (THDv) or current total harmonic distortion (THDi).

Impact on overall score: **11.86 %**
Devices affected: 3

Possible Causes	Recommended Actions
The loads include large motor drives, switching power supplies, or other loads with high total demand distortion.	Consider a power quality audit. An audit can find the source of the harmonics issues and can assess the need for an active filter solution.
The power supplied by the electric utility is distorted.	Consider a power quality audit. An audit can find the source of the harmonics issues and can assess the need for an active filter solution.
The transformers are overloaded and distort voltage and current waveforms.	Consider a power quality audit. An audit can find the source of the harmonics issues and can assess the need for an active filter solution.

Possible Consequences
Voltage and current harmonic distortion can cause intermittent tripping of motor drives and protective devices, overheating of transformers and conductors, electronic equipment failure, and higher energy losses.

See details on the 3 devices identified with this issue.
Go back to identified issues for information on all identified issues in this analysis.

Issue summary

Excessive Lagging Power Factor High priority

There is a very low lagging power factor.

Impact on overall score: **11.63 %**
Devices affected: 1

Possible Causes	Recommended Actions
The loads include large inductive loads, such as motors and transformers, or inductive loads that are used much below their design capacity.	Identify the loads that are causing the low power factor. Consider ways to improve the power factor, such as load optimization or the installation of power factor correction devices.

Possible Consequences
Significant lagging power factor can lead to power capacity issues for conductors and equipment, increased power losses, lower operating voltages, and power factor penalty charges by the utility.

See details on the device identified with this issue.
Go back to identified issues for information on all identified issues in this analysis.

Issue summary

Transformer Overcapacity High priority

The peak load on the transformer is close to its rated capacity.

Impact on overall score: **3.44 %**
Devices affected: 1

Possible Causes	Recommended Actions
The transformer is undersized.	Review circuit breaker, conductor, and transformer capacity for this bus. Evaluate harmonic distortion levels.

Possible Consequences
Increased power losses as a result of excess heating of components and equipment.
Increased degradation on transformer winding insulation as a result of excess heating.
Overheating and stressing of components and equipment.
Equipment failure or reduced life expectancy.
Increased harmonic distortion caused by a saturated power transformer core.
Increased operational expenses and carbon footprint due to increased power losses.

See details on the device identified with this issue.
Go back to identified issues for information on all identified issues in this analysis.

Issue summary

Voltage Imbalance Condition High priority

The voltage unbalance measurements fall outside of the recommended, standard defined limits.

Impact on overall score: **0.53 %**
Devices affected: 1

Possible Causes	Recommended Actions
There was a temporary voltage sag or swell on one of the phases.	Check for power quality incidents at the time of the voltage unbalance.
There are unbalanced phase currents supplying a large load.	Check for current unbalance. Consider rebalancing single phase loads supplied by the transformer.
The voltage supplied by the electric utility is unbalanced.	Check the supply voltage and contact the electric utility if necessary.

Possible Consequences
Higher capital and maintenance costs due to increased equipment malfunction, wear and failure.
Higher operational costs and a higher carbon footprint due to increased power losses.
Difficulties when trying to synchronize the power system to alternative sources, for example closed transition transfer switching.

See details on the device identified with this issue.
Go back to identified issues for information on all identified issues in this analysis.

Under Voltage Condition

Some of the voltage measurements fall outside of the recommended, standard defined limits.

Impact on overall score: **0.17 %**
Devices affected: 1

Possible Causes	Recommended Actions
The voltage supplied by the electric utility is low.	Check the supply voltage and contact the electric utility if necessary.
The voltage tap setting on the supply transformer causes the secondary voltage to exceed the lower range limit.	Check the tap settings on the transformer. Adjust the tap settings if possible.

Possible Consequences
Increased heating and stressing of components and equipment.
Reduced life expectancy or equipment failure.
Compromised equipment or system performance.
Unexpected equipment trips and motor contactor dropouts leading to unplanned interruptions of facility operations.
Decreased light output for some lighting types.
Increased operating current and decreased starting torque, slip, speed, and efficiency in standard induction motors.
Reduced effectiveness of power factor correction capacitors.

See details on the device identified with this issue.
Go back to identified issues for information on all identified issues in this analysis.

Issue summary

Over Voltage Condition

Some of the voltage measurements fall outside of the recommended, standard defined limits.

Impact on overall score: **0.07 %**
Devices affected: 1

Possible Causes	Recommended Actions
The voltage supplied by the electric utility is high.	Check the supply voltage and contact the electric utility if necessary.
The voltage tap setting on the supply transformer causes the secondary voltage to exceed the upper range limit.	Check the tap settings on the transformer. Adjust the tap settings if possible.

Possible Consequences
Increased power losses as a result of excess heating of components and equipment.
Increased wear on transformer winding insulation as a result of excess heating.
Overheating and stressing of components and equipment
Equipment failure or reduced life expectancy.
Increased harmonic distortion caused by a saturated power transformer core.
Increased operational expenses and carbon footprint due to increased power losses.

See details on the device identified with this issue.
Go back to identified issues for information on all identified issues in this analysis.

Analysis details

Introduction

This section provides device and measurement level details related to the identified issues.

Important Note

Electrical equipment and power management software and devices should be installed, operated, serviced and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material. A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and power management systems and has received safety training to recognize and avoid the hazards involved.

Device details by issue

This topic lists the different issues and the affected devices. The issues are shown in alphabetical order by issue name.

Excessive Harmonic Distortion Condition High priority

Devices affected: 3

Device Name	Details
MV.Utility_Main	Impact: **7.16 %** Worst Measurements
LV_B.Main_Bkr	Impact: **3.84 %** Measurements
LV_E.Main_Bkr	Impact: **0.86 %** Measurements

Go back to Excessive Harmonic Distortion Condition
Go back to identified issues for information on all identified issues in this analysis.

Measurements: **MV.Utility_Main** (9000)

Impact on overall score: **7.16 %** Worst

The following table shows issue related measurement data for the device. Values outside the threshold are highlighted.

Threshold : **above 3%**

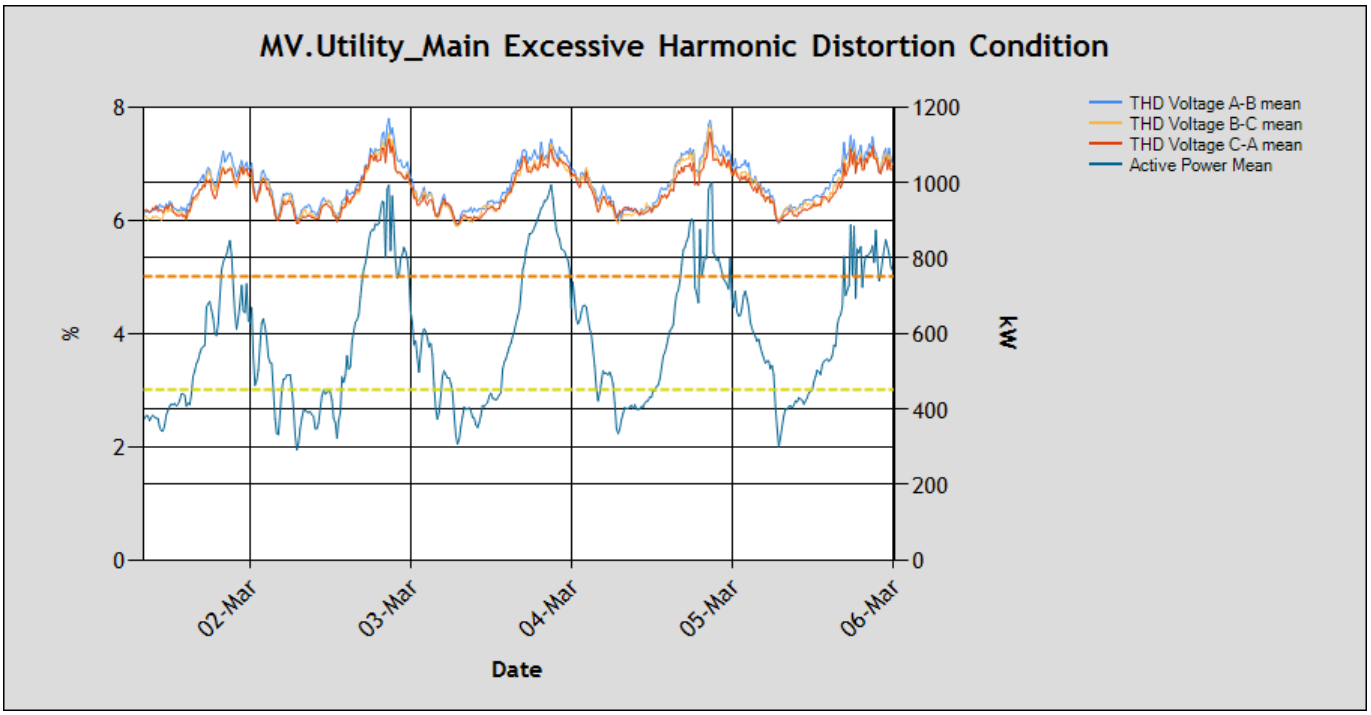
Measurement Name	Average	Minimum	Maximum	At Peak Demand 3/4/2020 9:00:00 PM
THD Voltage A-B mean	**6.65%**	**5.93%**	**7.8%**	**7.56%**
THD Voltage B-C mean	**6.55%**	**5.9%**	**7.66%**	**7.55%**
THD Voltage C-A mean	**6.52%**	**5.93%**	**7.55%**	**7.36%**

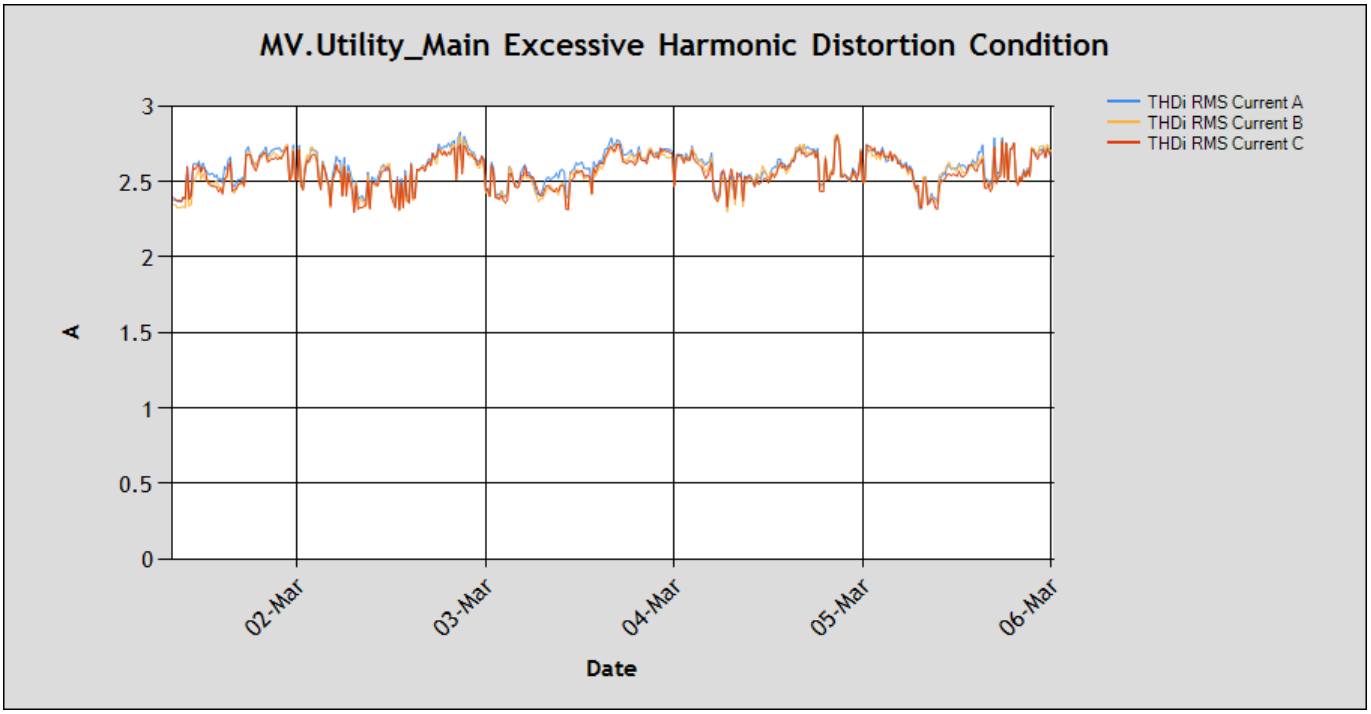
Note

Voltage was too high to propose an AccuSine Solution. Consider adding a meter capable of logging THDv and THDi in the Low Voltage section of your distribution system. Ask your Schneider Electric representative to build you a mitigation strategy.

Device details by issue (continued)

Excessive Harmonic Distortion Condition (continued) High priority

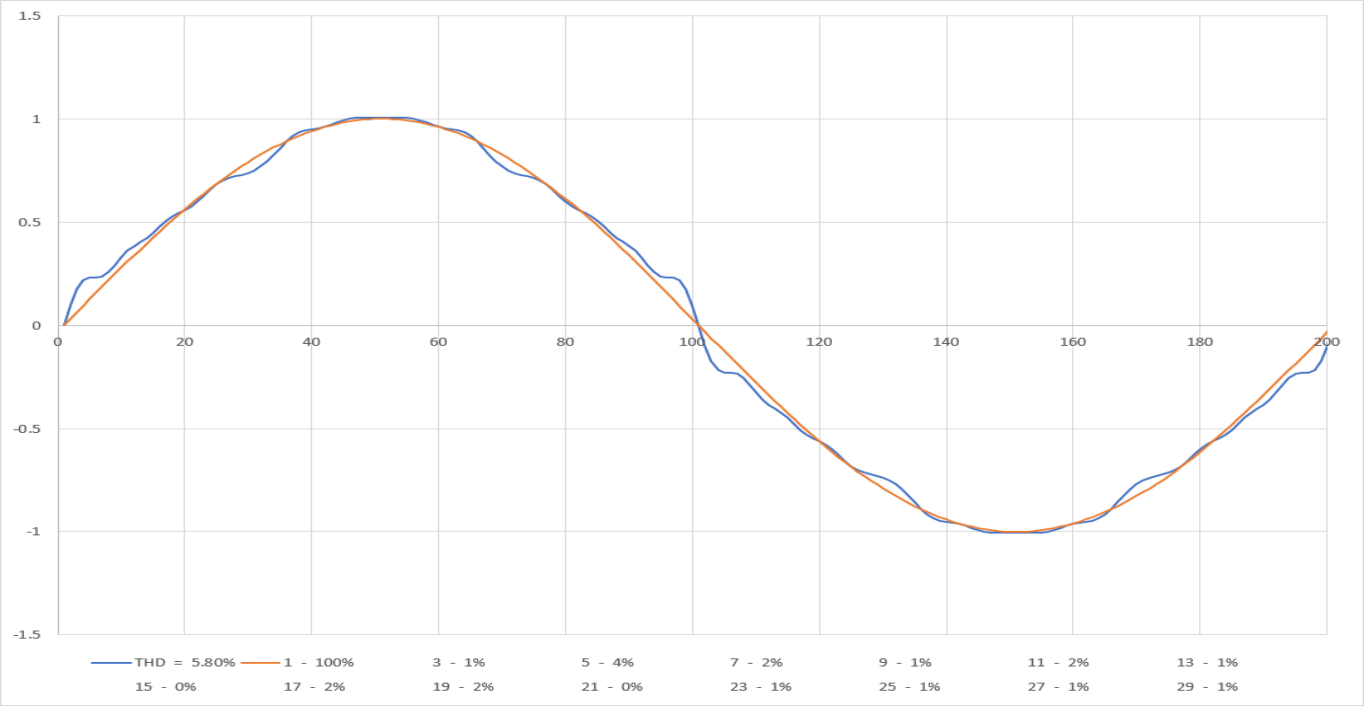




Device details by issue (continued)

Excessive Harmonic Distortion Condition (continued) High priority

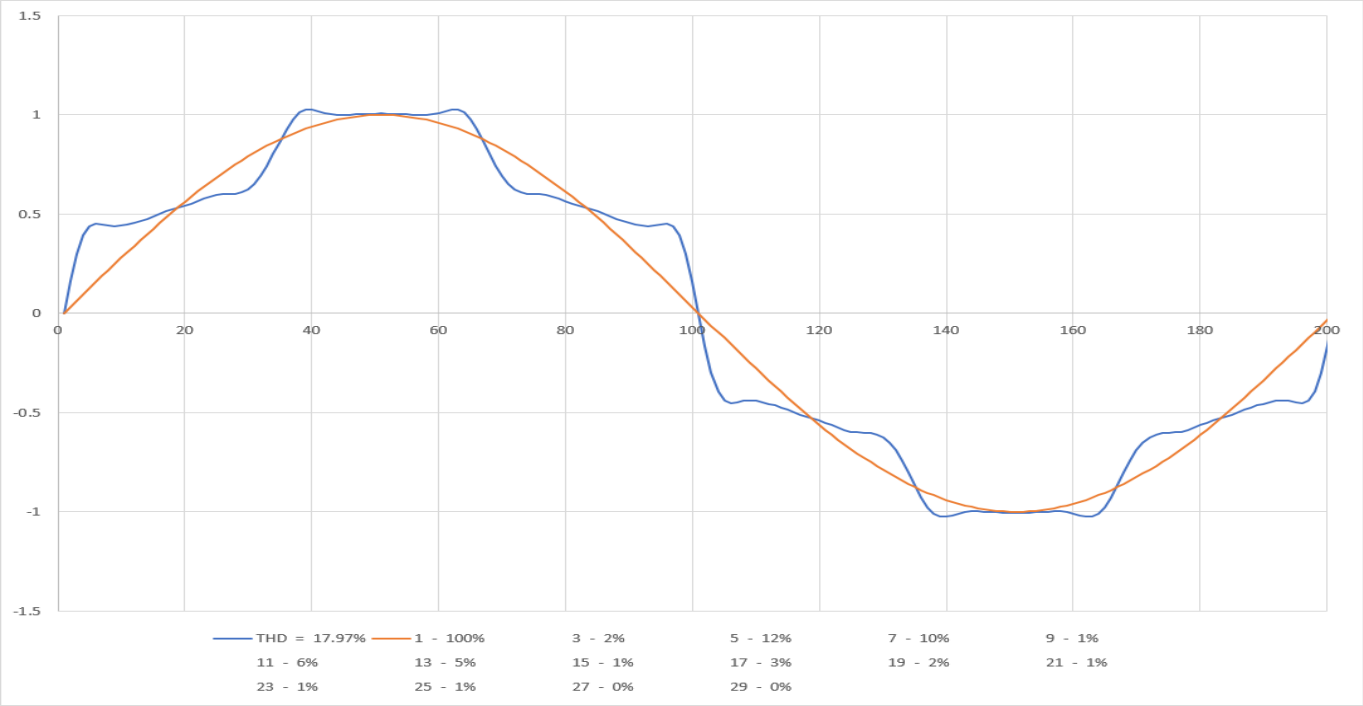
The following chart shows a simulated voltage waveform with harmonic distortion. The waveform distortion shown is for THDv levels like those observed in your system. This is not an actual waveform captured in your system.



Device details by issue (continued)

Excessive Harmonic Distortion Condition (continued) High priority

The following chart shows a simulated current waveform with harmonic distortion. The waveform distortion shown is for THDi levels like those observed in your system. This is not an actual waveform captured in your system.



Go back to Excessive Harmonic Distortion Condition (Device details by issue)

Measurements: **LV_B.Main_Bkr** (Micrologic X)

Impact on overall score: **3.84 %**

The following table shows issue related measurement data for the device. Values outside the threshold are highlighted.

Threshold : **above 3%**

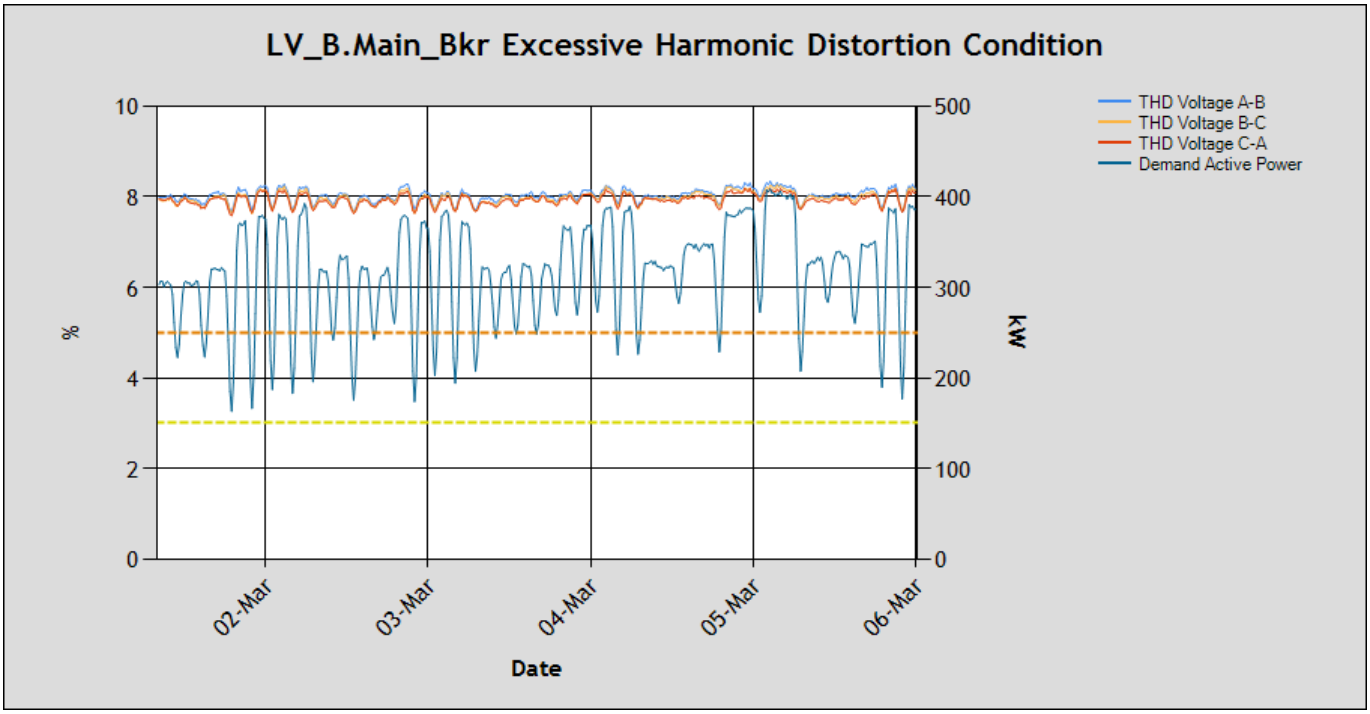
Measurement Name	Average	Minimum	Maximum	At Peak Demand 3/5/2020 2:30:00 AM
THD Voltage A-B	**8.03%**	**7.66%**	**8.34%**	**8.34%**
THD Voltage B-C	**7.97%**	**7.63%**	**8.26%**	**8.24%**
THD Voltage C-A	**7.93%**	**7.58%**	**8.18%**	**8.17%**

Device details by issue (continued)

Excessive Harmonic Distortion Condition (continued) High priority

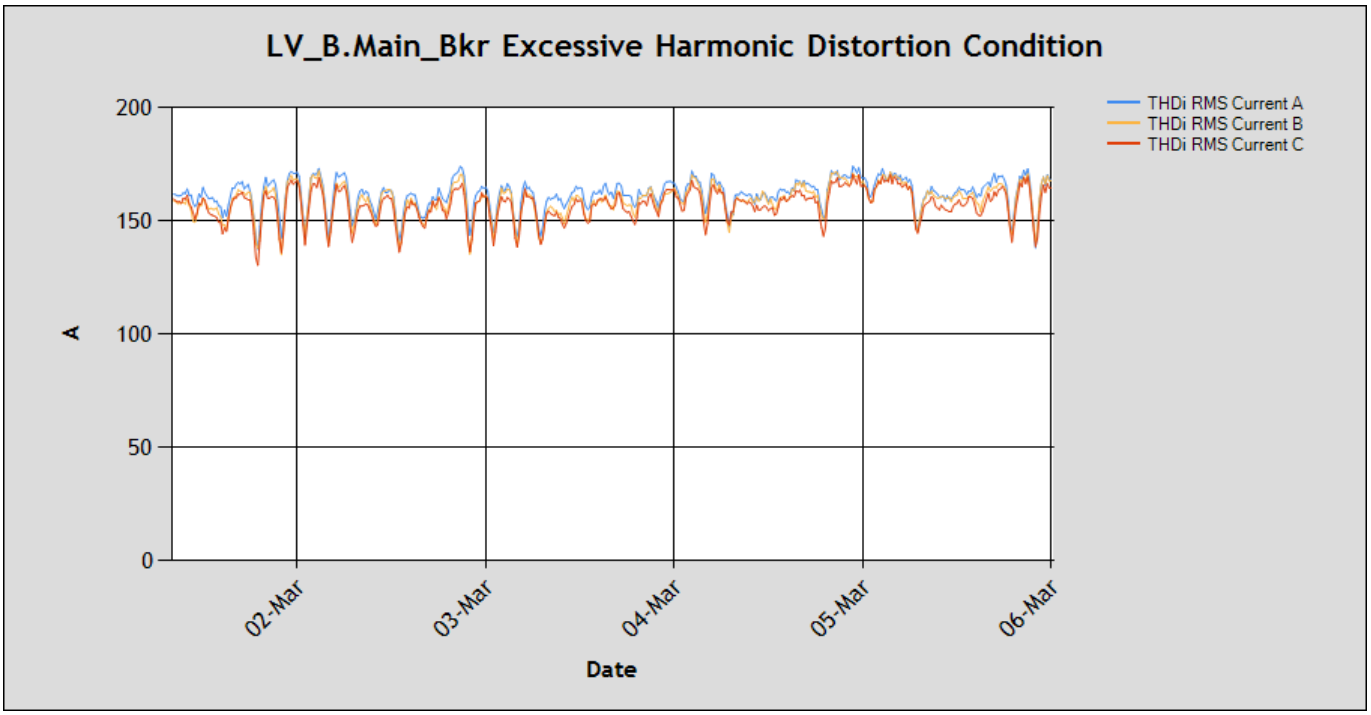
THD mitigation

Target THDi of 5% :
Installing a Schneider Electric AccuSine PCS+ active harmonic filter with a capacity of 200 A with part number PCSP200D5N2 (UL Type 2) or PCSP200D5IP31 (IP31) can help resolve your harmonic distortion issue and is estimated to bring your THD I level below 1%. This solution is estimated to bring your Average Power Factor from 0.819 to 0.878 and decrease your monthly power factor penalty from $485 to $367.



Device details by issue (continued)

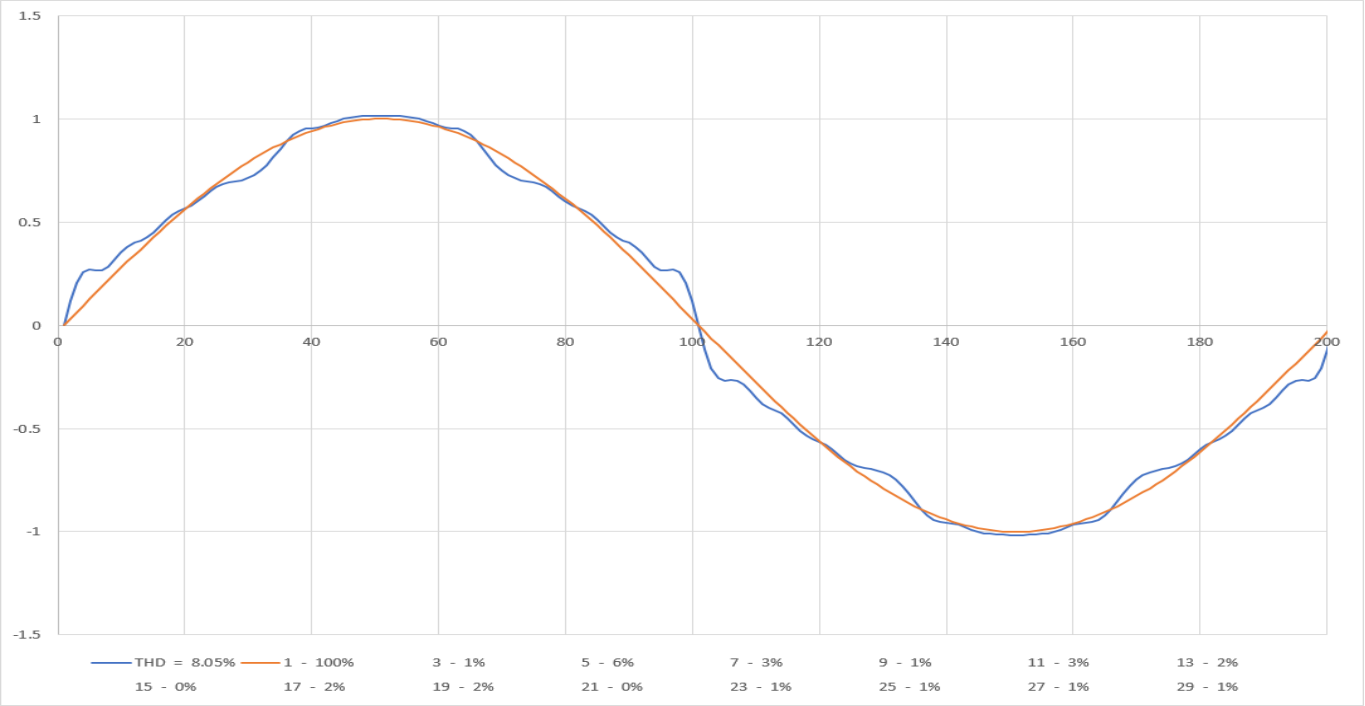
Excessive Harmonic Distortion Condition (continued) High priority



Device details by issue (continued)

Excessive Harmonic Distortion Condition (continued) High priority

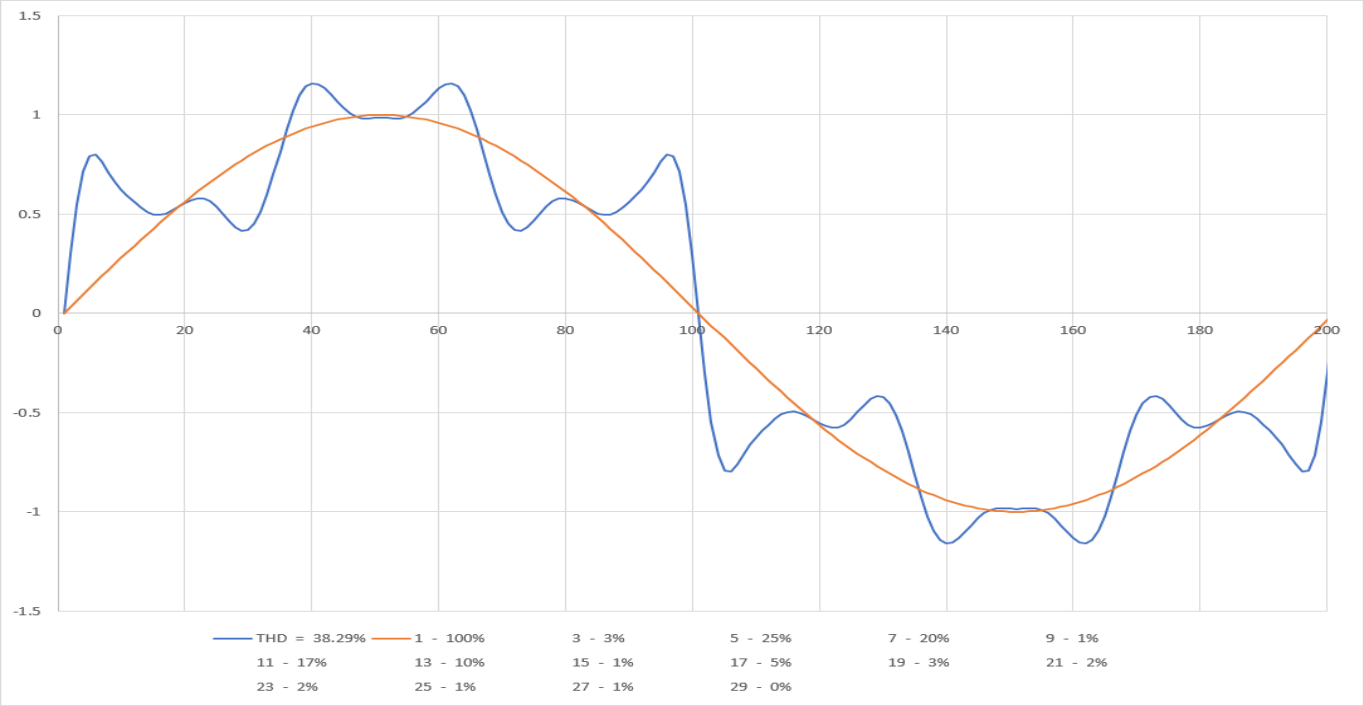
The following chart shows a simulated voltage waveform with harmonic distortion. The waveform distortion shown is for THDv levels like those observed in your system. This is not an actual waveform captured in your system.



Device details by issue (continued)

Excessive Harmonic Distortion Condition (continued) High priority

The following chart shows a simulated current waveform with harmonic distortion. The waveform distortion shown is for THDi levels like those observed in your system. This is not an actual waveform captured in your system.



Go back to Excessive Harmonic Distortion Condition (Device details by issue)

Measurements: **LV_E.Main_Bkr** (Micrologic X)

Impact on overall score: **0.86 %**

The following table shows issue related measurement data for the device. Values outside the threshold are highlighted.

Threshold : **above 3%**

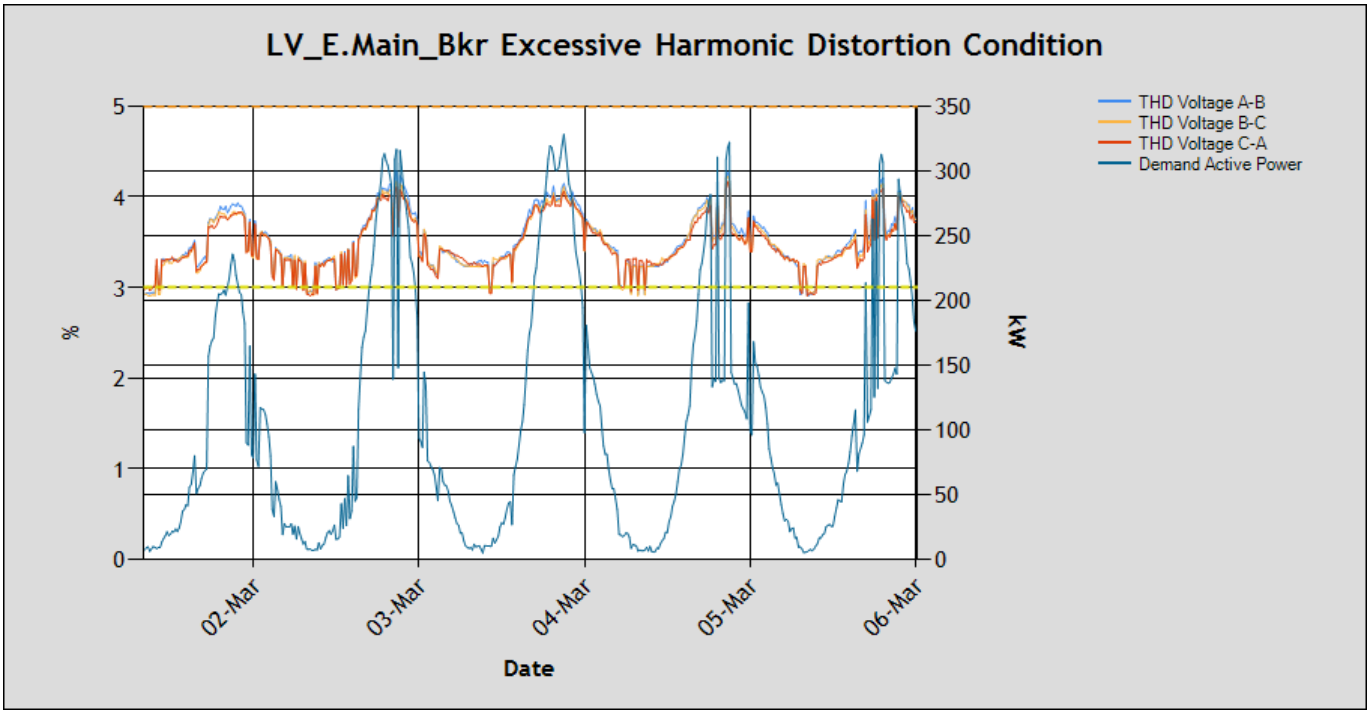
Measurement Name	Average	Minimum	Maximum	At Peak Demand 3/3/2020 9:00:00 PM
THD Voltage A-B	**3.51%**	2.91%	**4.28%**	**4.15%**
THD Voltage B-C	**3.48%**	2.9%	**4.22%**	**4.11%**
THD Voltage C-A	**3.47%**	2.9%	**4.16%**	**4.06%**

Device details by issue (continued)

Excessive Harmonic Distortion Condition (continued) High priority

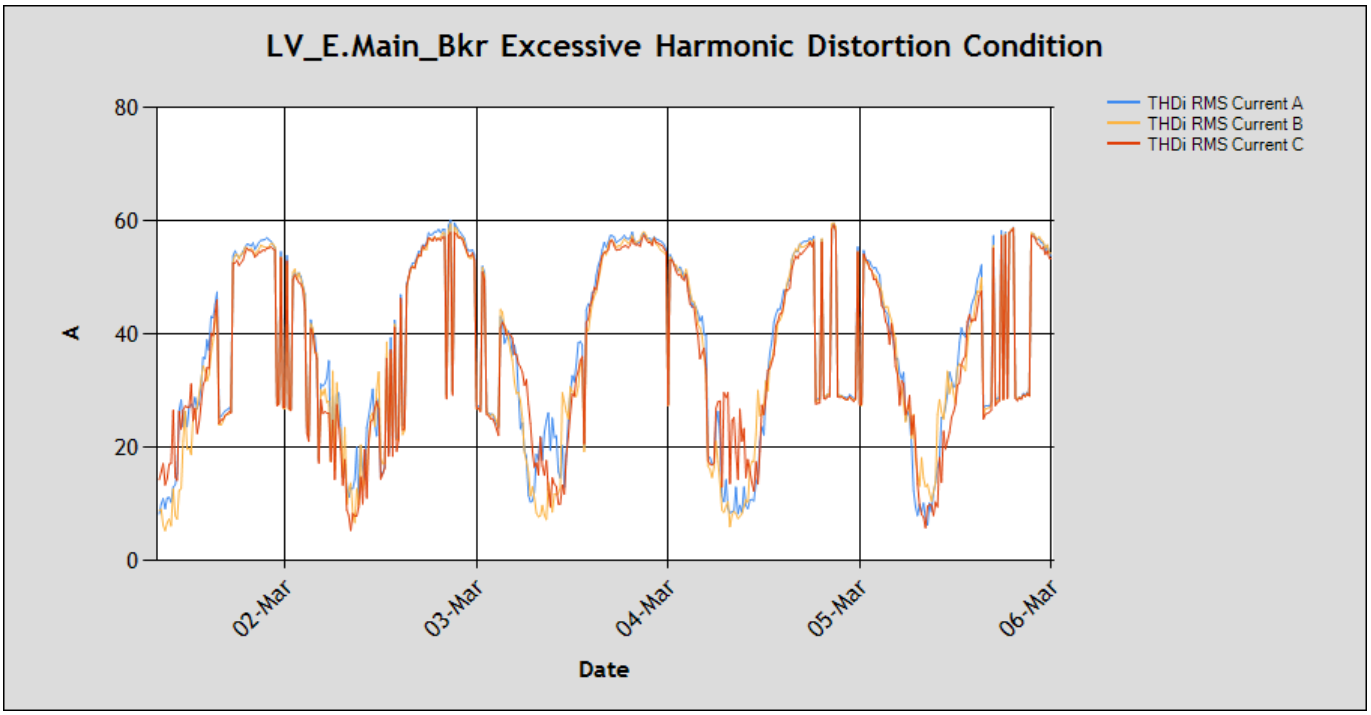
THD mitigation

Target THDi of 5% :
Installing a Schneider Electric AccuSine PCS+ active harmonic filter with a capacity of 60 A with part number PCSP060D5N2 (UL Type 2) or PCSP060D5IP31 (IP31) can help resolve your harmonic distortion issue and is estimated to bring your THD I level below 1%. This solution is estimated to bring your Average Power Factor from 0.837 to 0.955 and decrease your monthly power factor penalty from $183 to $173.



Device details by issue (continued)

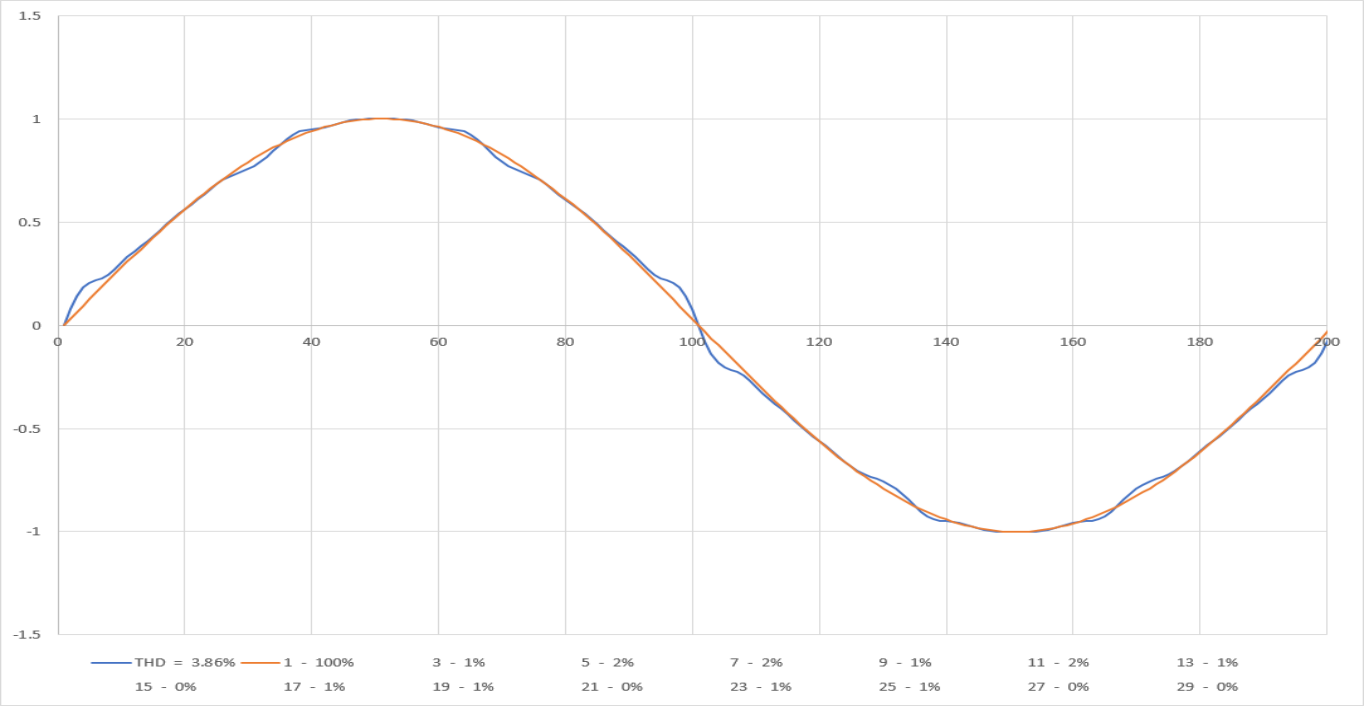
Excessive Harmonic Distortion Condition (continued) High priority



Device details by issue (continued)

Excessive Harmonic Distortion Condition (continued) High priority

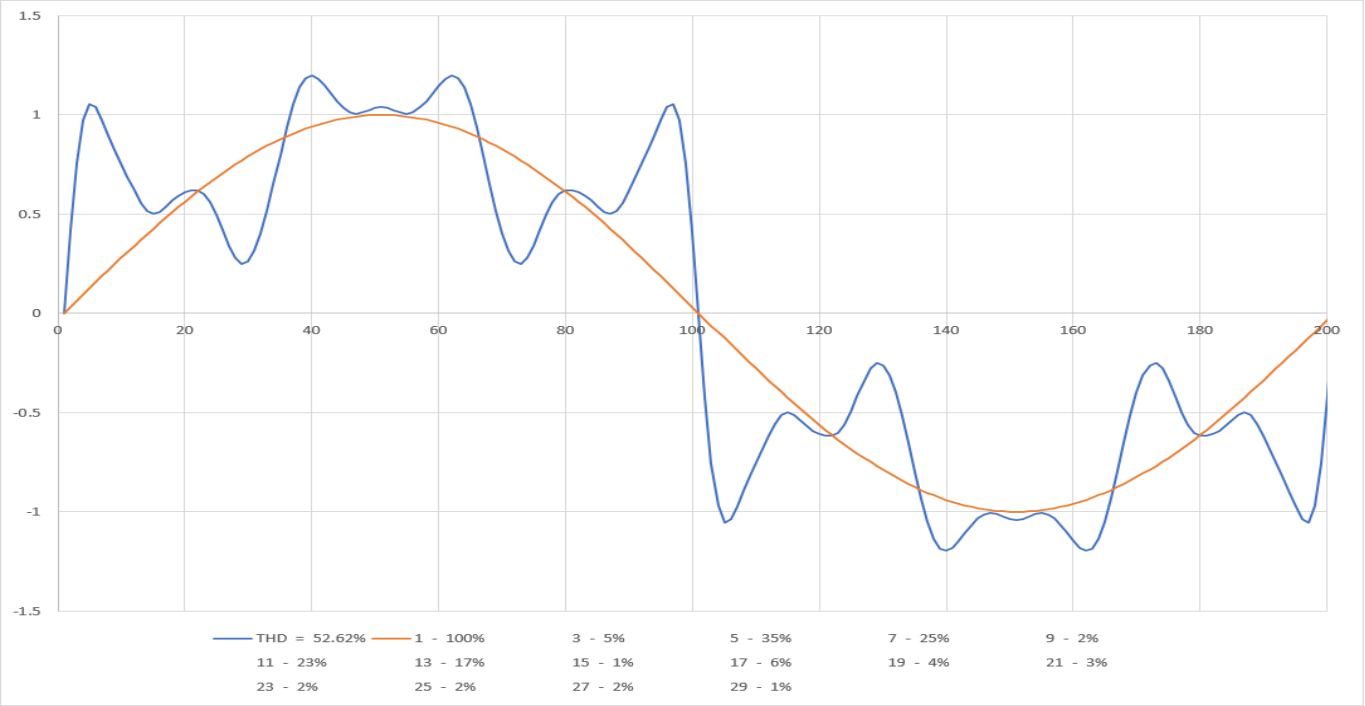
The following chart shows a simulated voltage waveform with harmonic distortion. The waveform distortion shown is for THDv levels like those observed in your system. This is not an actual waveform captured in your system.



Device details by issue (continued)

Excessive Harmonic Distortion Condition (continued) High priority

The following chart shows a simulated current waveform with harmonic distortion. The waveform distortion shown is for THDi levels like those observed in your system. This is not an actual waveform captured in your system.



Go back to Excessive Harmonic Distortion Condition (Device details by issue)

Device details by issue (continued)

Excessive Lagging Power Factor High priority

Devices affected: 1

Device Name	Details
MV.Utility_Main	Impact: **11.63 %** Worst Measurements

Go back to Excessive Lagging Power Factor
Go back to identified issues for information on all identified issues in this analysis.

Measurements: **MV.Utility_Main** (9000)

Impact on overall score: **11.63 %** Worst

The following table shows issue related measurement data for the device. Values outside the threshold are highlighted.

Threshold : **below 0.9**

Measurement Name	Average	Minimum	Maximum	At Peak Demand 3/4/2020 9:00:00 PM
Power Factor Lagging Mean	**0.85**	**0.8**	0.9	**0.87**

Power Factor Penalty

No Power Factor Penalty information was provided. An estimate has been made based on a default calculation using the following rate: Base Utility - (Default) - Default Penalty Structure. Based on this calculation, your estimated monthly power factor penalty is $893. Contact your Power Advisor support representative with information from your Utility bill to change this calculation.

Information

The following devices are contributing the most to the low lagging Power Factor : LV_B.Panel_B1 (163 kVAr), LV_B.Panel_B5 (82 kVAr), LV_B.Panel_B3 (66 kVAr).

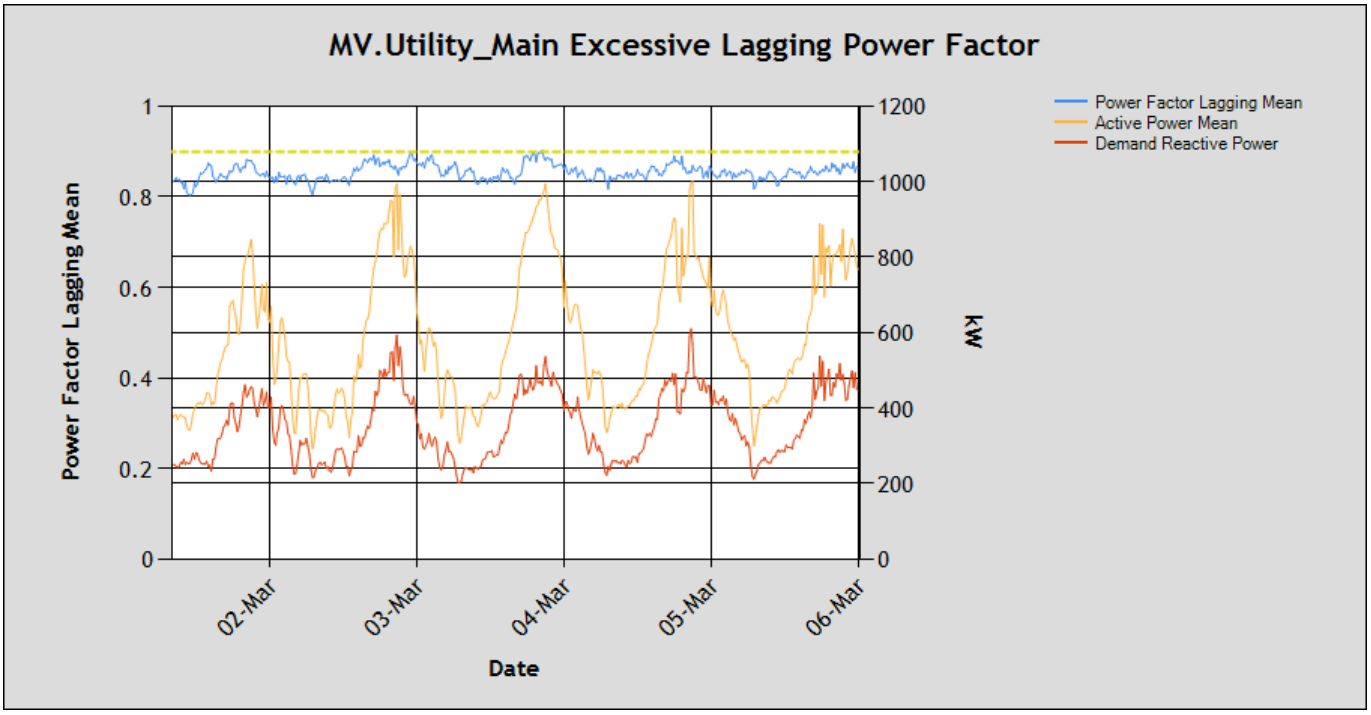
Device details by issue (continued)

Excessive Lagging Power Factor (continued) High priority

Solution Option 1 : Power Factor Mitigation

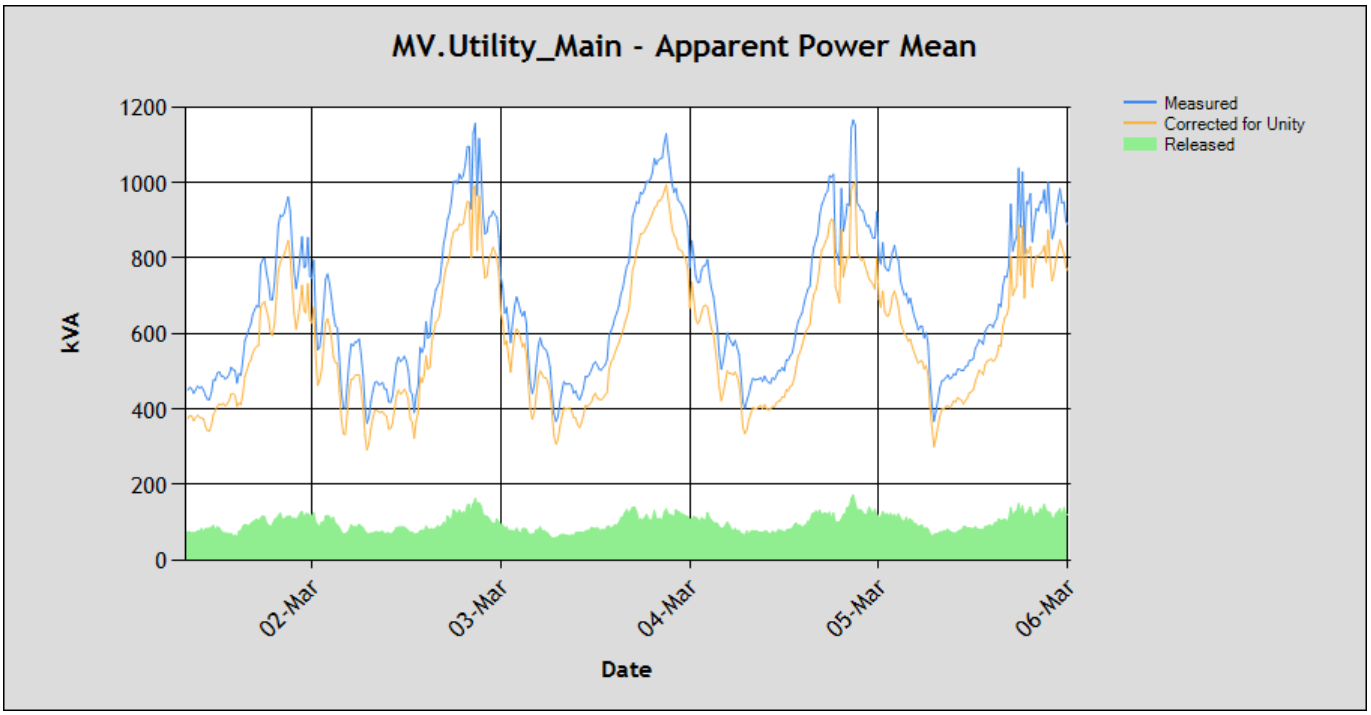
700 kVAr Solution :
Based on your Power and Power Factor, a Schneider Electric VarSet capacitor bank solution with a capacity of 700 kVAr will improve your power factor at this metering point from 0.8540 to 1.0000. We estimate this solution will reduce your monthly Power Factor penalty from $893 to $0. Based on this information and an estimated installed cost of the solution of $38,500. The payback period for this solution would be 43.1 month(s). This solution is estimated to increase the available capacity at this metering point by at least 57 kVA and release up to 172 kVA. This can reduce the risk of overloaded equipment and can avoid capital expenses related to new transformers or other capacity upgrades. It would also save approximately 1 tons of CO2 (for the given period, based on your country average of 0.0590 kg of CO2 / kVAh).

600 kVAr Solution :
Based on your Power and Power Factor, a Schneider Electric VarSet capacitor bank solution with a capacity of 600 kVAr will improve your power factor at this metering point from 0.8540 to 1.0000. We estimate this solution will reduce your monthly Power Factor penalty from $893 to $0. Based on this information and an estimated installed cost of the solution of $33,000. The payback period for this solution would be 36.9 month(s). This solution is estimated to increase the available capacity at this metering point by at least 57 kVA and release up to 172 kVA. This can reduce the risk of overloaded equipment and can avoid capital expenses related to new transformers or other capacity upgrades. It would also save approximately 1 tons of CO2 (for the given period, based on your country average of 0.0590 kg of CO2 / kVAh).



Device details by issue (continued)

Excessive Lagging Power Factor (continued) High priority



Go back to Excessive Lagging Power Factor (Device details by issue)

Device details by issue (continued)

Over Voltage Condition

Devices affected: 1

Device Name	Details
LV_C.Main_Bkr	Impact: **0.07 %** Worst Measurements

Go back to Over Voltage Condition
Go back to identified issues for information on all identified issues in this analysis.

Measurements: **LV_C.Main_Bkr** (Micrologic X)

Impact on overall score: **0.07 %** Worst

The following table shows issue related measurement data for the device. Values outside the threshold are highlighted.

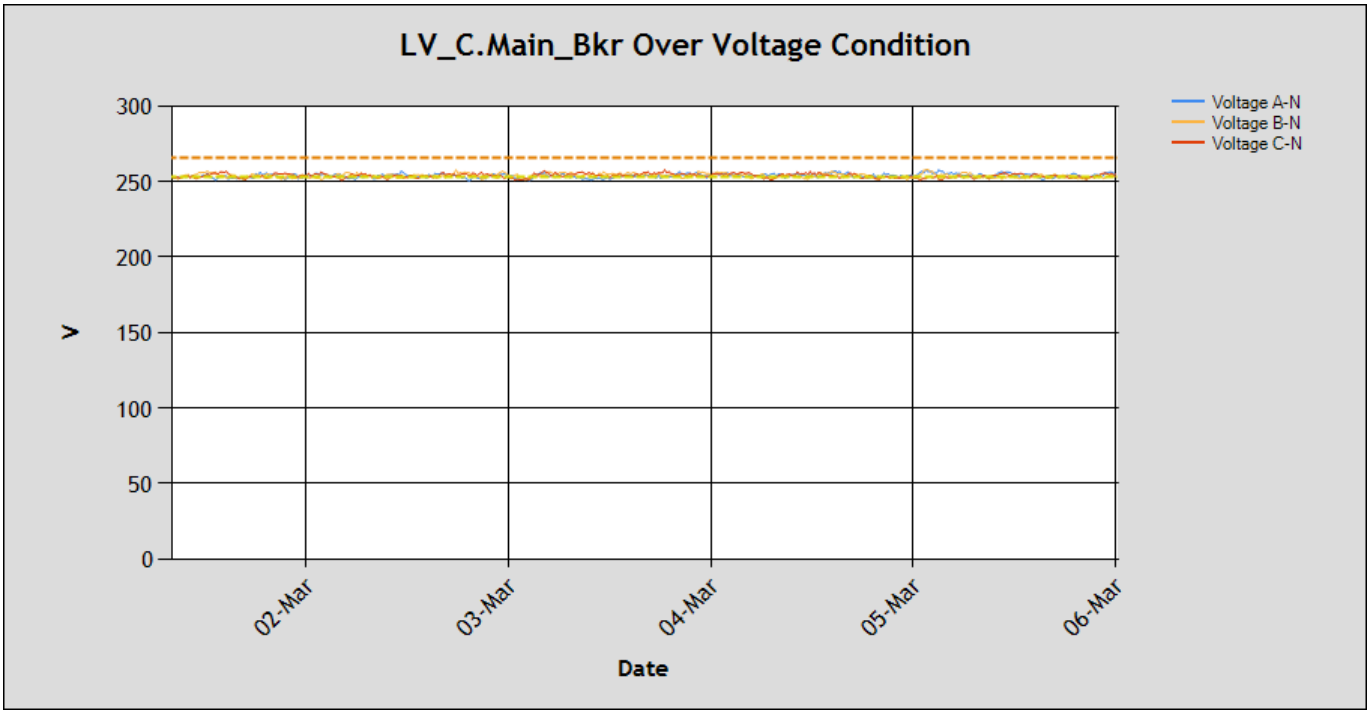
Threshold : **10% above nominal**

Measurement Name	Average	Minimum	Maximum	At Peak Demand 3/3/2020 7:00:00 PM
Voltage A-B	439.17V	433.12V	**445.71V** **11.43%** above nominal	437.67V
Voltage A-N	**253.86V**	250.36V	**257.63V** **12.01%** above nominal	252.99V
Voltage B-C	439.32V	433.98V	**446.35V** **11.59%** above nominal	**440.38V**
Voltage B-N	**253.94V**	250.85V	**258.01V** **12.18%** above nominal	**254.56V**
Voltage C-A	439.23V	433.84V	**445.97V** **11.49%** above nominal	**443.87V**
Voltage C-N	**253.89V**	250.78V	**257.79V** **12.08%** above nominal	**256.57V**

Device details by issue (continued)

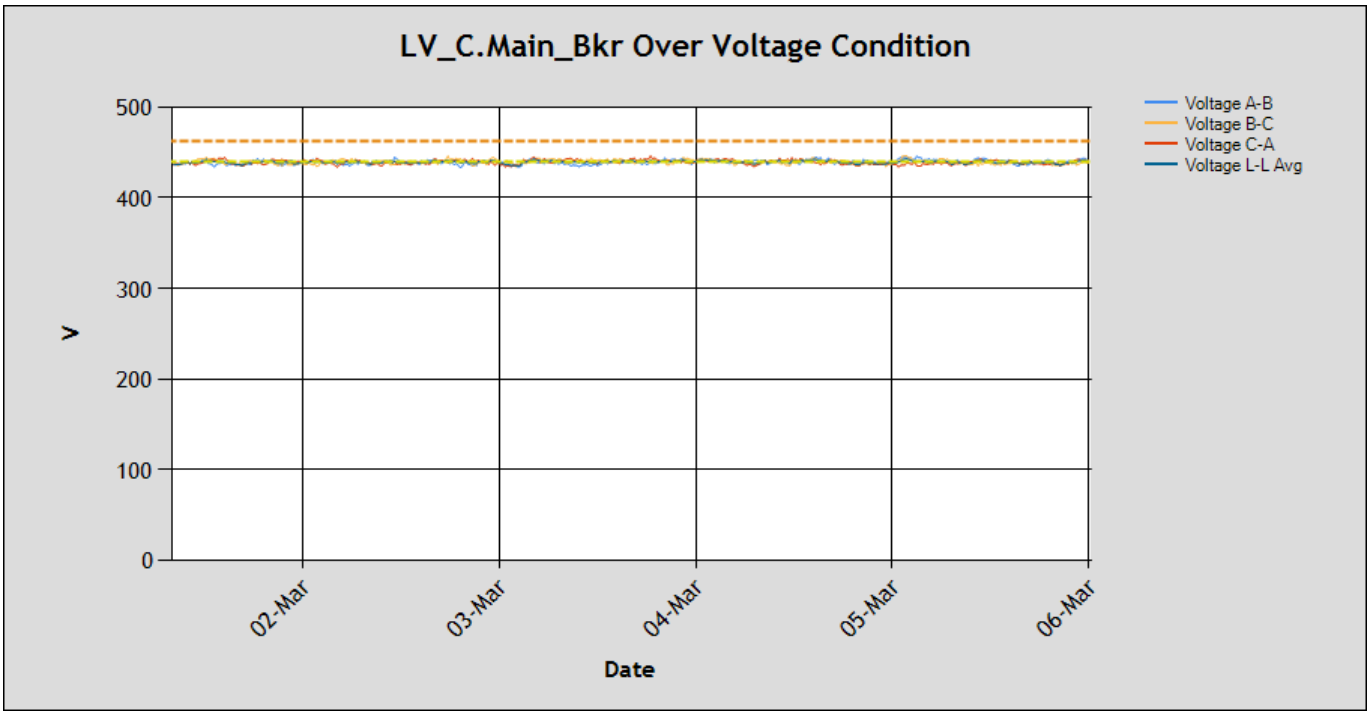
Over Voltage Condition (continued)

Measurement Name	Average	Minimum	Maximum	At Peak Demand 3/3/2020 7:00:00 PM
Voltage L-L Avg	439.24V	434.72V	**442.69V** **10.67%** above nominal	**440.64V**



Device details by issue (continued)

Over Voltage Condition (continued)



Go back to Over Voltage Condition (Device details by issue)

Device details by issue (continued)

Transformer Overcapacity High priority

Devices affected: 1

Device Name	Details
XFMR D	Impact: **3.44 %** Worst Measurements

Go back to Transformer Overcapacity
Go back to identified issues for information on all identified issues in this analysis.

Measurements: **XFMR D** (Transformer)

Impact on overall score: **3.44 %** Worst

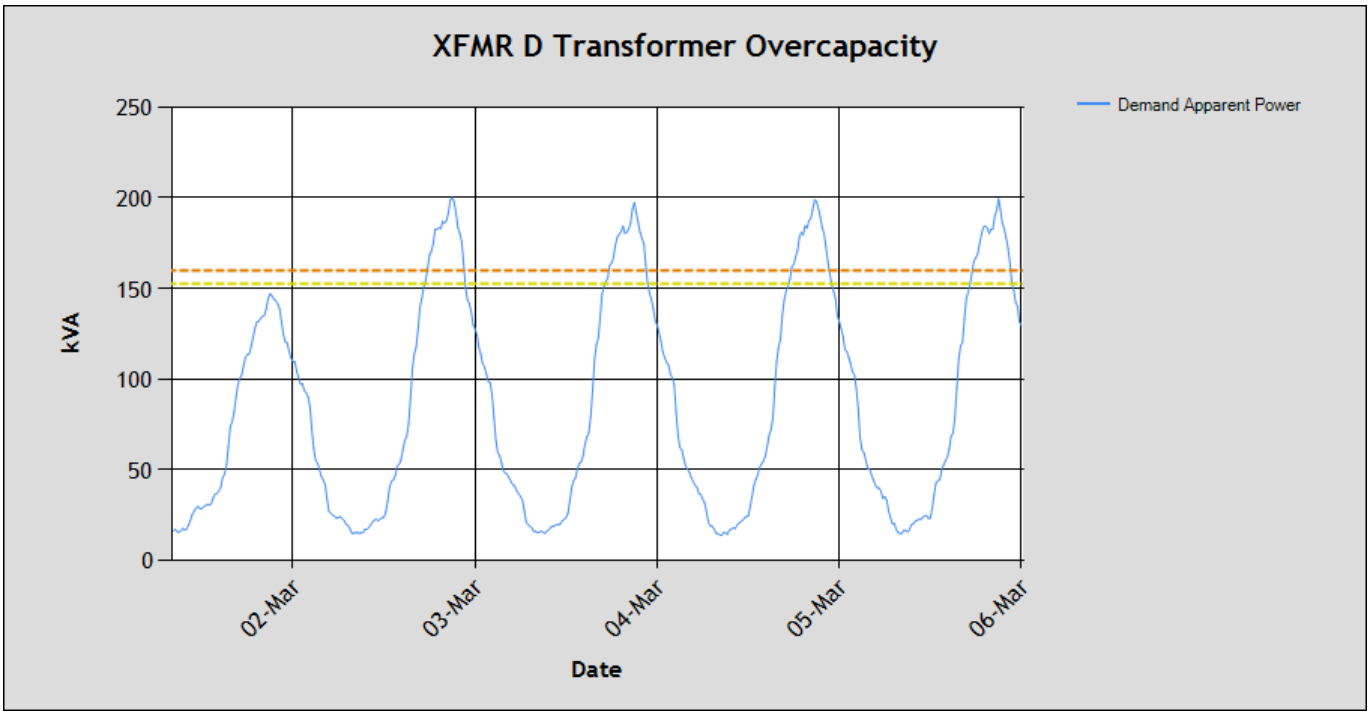
The following table shows issue related measurement data for the device. Values outside the threshold are highlighted.

Threshold : **above 95% of nominal capacity**

Measurement Name	Average	Minimum	Maximum	At Peak Demand 3/3/2020 9:00:00 PM
Demand Apparent Power	**86.57kVA**	**13.62kVA**	**200.15kVA** **125.1%** of nominal capacity	**197.31kVA**
Demand Apparent Power	**86.57kVA**	**13.62kVA**	**200.15kVA** **125.1%** of nominal capacity	**197.31kVA**
Demand Apparent Power	**86.57kVA**	**13.62kVA**	**200.15kVA** **125.1%** of nominal capacity	**197.31kVA**

Device details by issue (continued)

Transformer Overcapacity (continued) High priority



Go back to Transformer Overcapacity (Device details by issue)

Device details by issue (continued)

Under Voltage Condition

Devices affected: 1

Device Name	Details
LV_D.Main_Bkr	Impact: **0.17 %** Worst Measurements

Go back to Under Voltage Condition
Go back to identified issues for information on all identified issues in this analysis.

Measurements: **LV_D.Main_Bkr** (Micrologic X)

Impact on overall score: **0.17 %** Worst

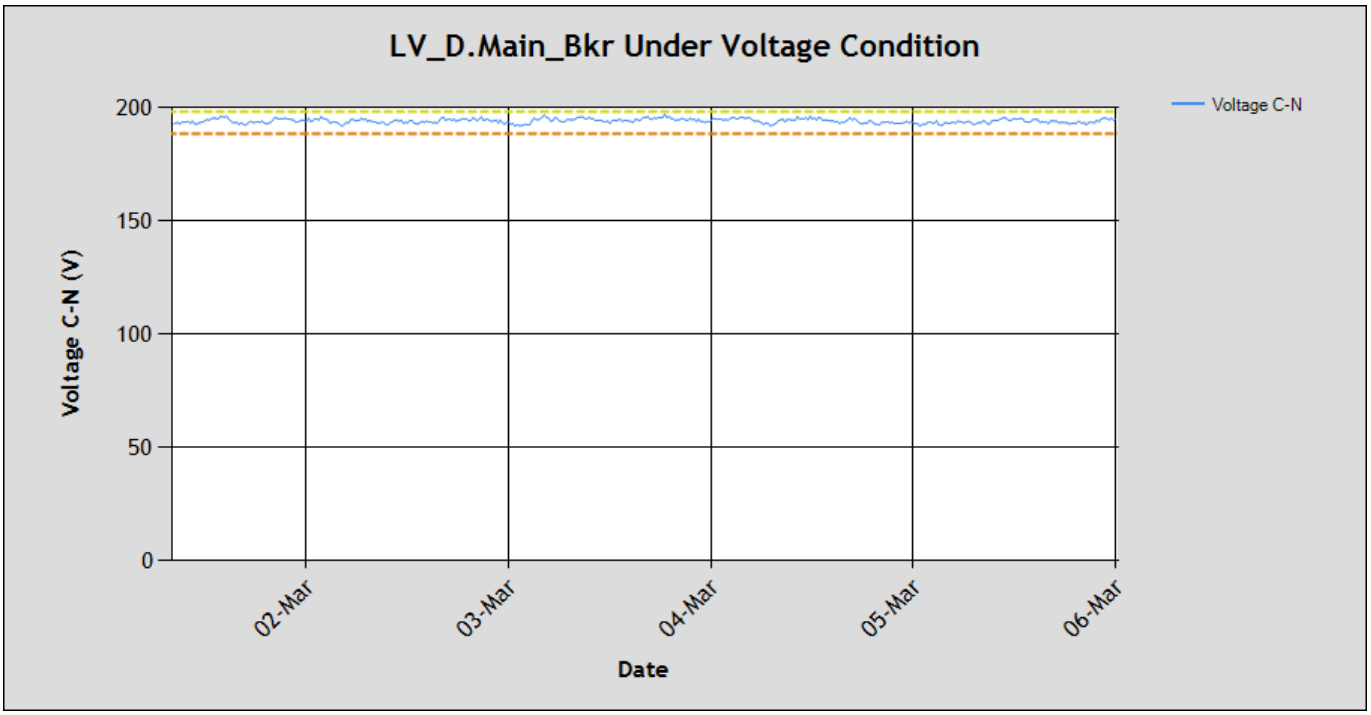
The following table shows issue related measurement data for the device. Values outside the threshold are highlighted.

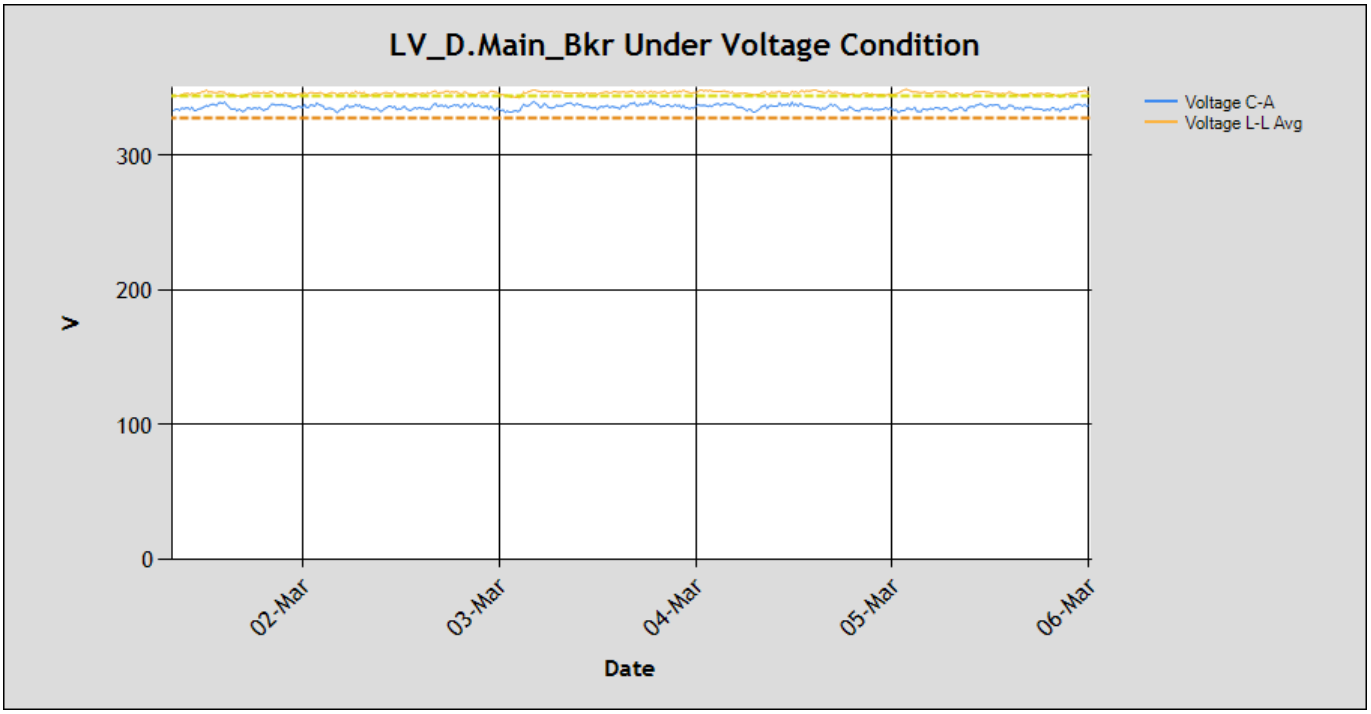
Threshold : **14% below nominal**

Measurement Name	Average	Minimum	Maximum	At Peak Demand 3/3/2020 9:00:00 PM
Voltage C-A	**335.41V**	**331.3V** **16.96%** below nominal	**340.56V**	**335.89V**
Voltage C-N	**193.88V**	**191.5V** **16.52%** below nominal	**196.85V**	**194.16V**
Voltage L-L Avg	345.9V	**342.33V** **14.15%** below nominal	348.67V	346.45V

Device details by issue (continued)

Under Voltage Condition (continued)





Go back to Under Voltage Condition (Device details by issue)

Device details by issue (continued)

Voltage Imbalance Condition High priority

Devices affected: 1

Device Name	Details
LV_D.Main_Bkr	Impact: **0.53 %** Worst Measurements

Go back to Voltage Imbalance Condition
Go back to identified issues for information on all identified issues in this analysis.

Measurements: **LV_D.Main_Bkr** (Micrologic X)

Impact on overall score: **0.53 %** Worst

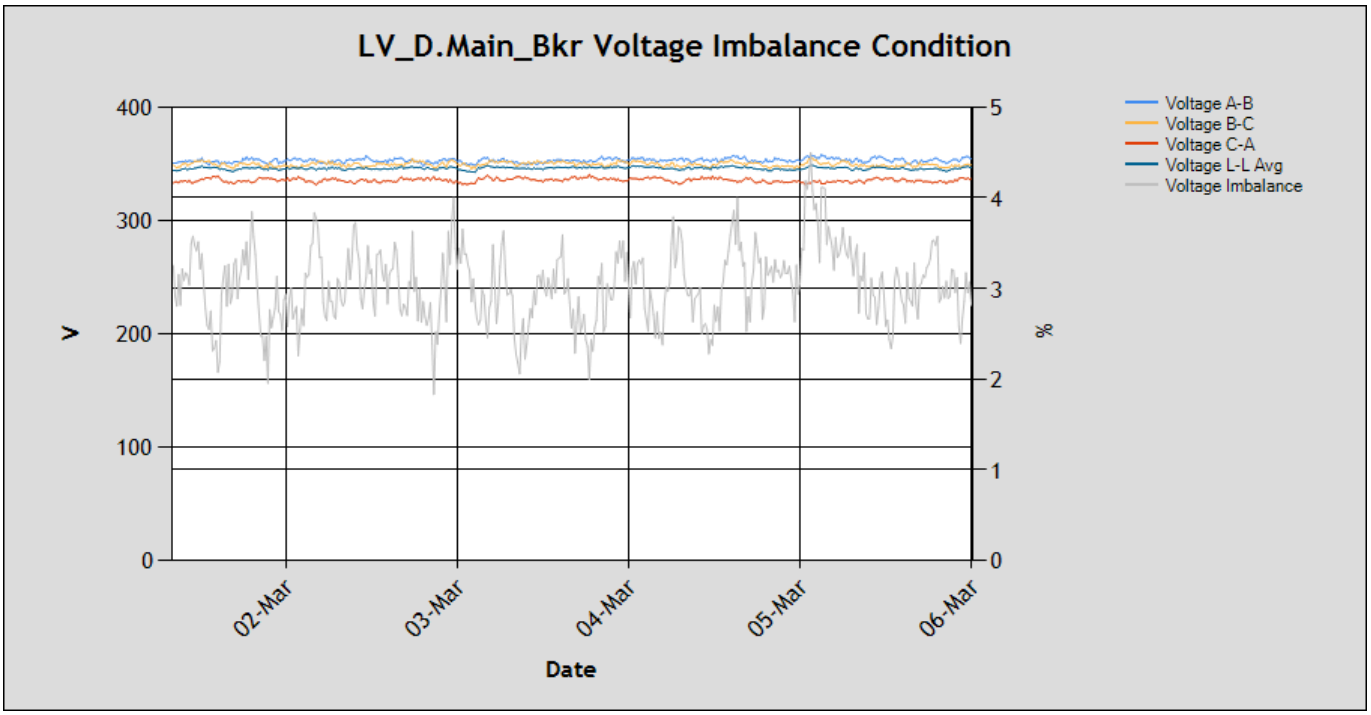
The following table shows issue related measurement data for the device. Values outside the threshold are highlighted.

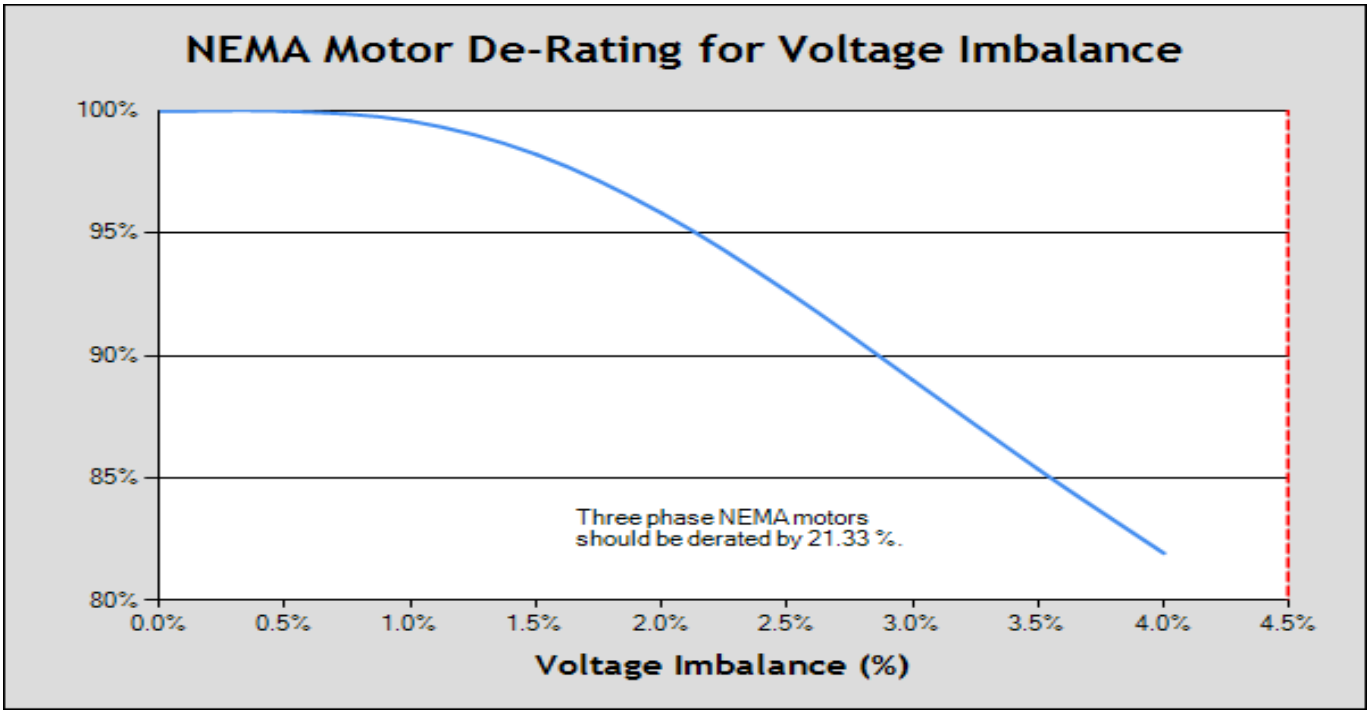
Threshold : **above 2%**

Measurement Name	Average	Minimum	Maximum	At Peak Demand 3/3/2020 9:00:00 PM
Voltage Imbalance	**3.03%**	1.83%	**4.5%**	**3.05%**

Device details by issue (continued)

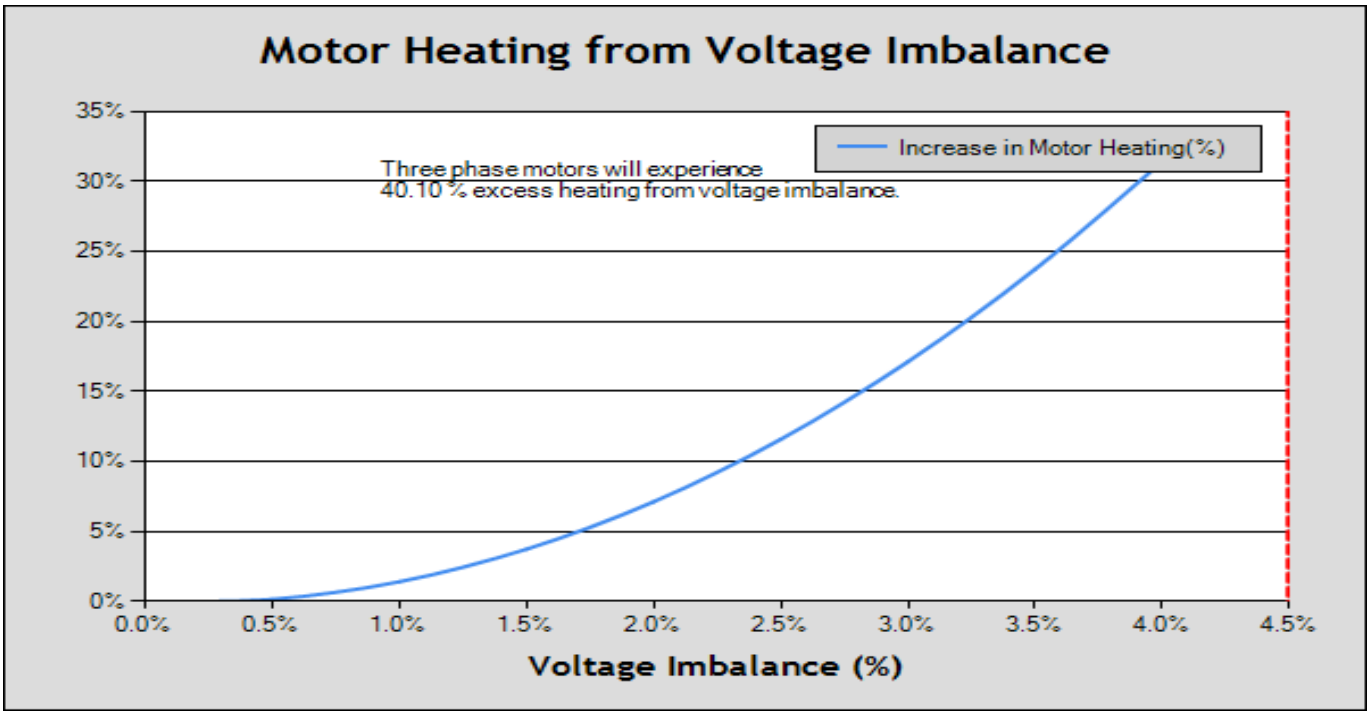
Voltage Imbalance Condition (continued) High priority





Device details by issue (continued)

Voltage Imbalance Condition (continued) High priority



Go back to Voltage Imbalance Condition (Device details by issue)

Reference

Introduction

This section includes definitions, a list of the issues found by device, and additional device or issue related information.

Issues by device 43
Issues marked as Informational 44
Glossary 45

Issues by device

This topic lists the different devices and their associated issues.

The devices are sorted alphabetically by device name.

LV_B.Main_Bkr

- Excessive Harmonic Distortion Condition > Measurements

LV_C.Main_Bkr

- Over Voltage Condition > Measurements

LV_D.Main_Bkr

- Under Voltage Condition > Measurements
- Voltage Imbalance Condition > Measurements

LV_E.Main_Bkr

- Excessive Harmonic Distortion Condition > Measurements

MV.Utility_Main

- Excessive Harmonic Distortion Condition > Measurements
- Excessive Lagging Power Factor > Measurements

XFMR D

- Transformer Overcapacity > Measurements

Issues marked as Informational

This topic lists issues that were marked as 'Informational' by the power system expert who prepared this report. Issues marked as 'Informational' do not affect the overall assessment score for the electrical health of the system. No follow up actions are required for these issues.

No issues have been marked as informational for your system.

Reference

Glossary

This section includes definitions of terms or concepts used in this report.

High Priority Issue defintion

High priority issues can have a high impact on the electrical power system for each instance. Non-high priority issues have a lower impact on the system for each instance. These issues gain importance if many instances are occurring.

Example:
Transformer Overcapacity is a high priority issue which needs to be investigated for each identified instance.

Power Quality Metering Recommended is a lower priority issue, which might be a concern depending on the number of instances and the importance of the affected equipment in the power system.

We recommend that you review and investigate all identified issues.

Worst score impact by a device for an issue

To determine the electrical health score, Power Advisor runs a number of tests on the power management system data provided by the monitoring devices.

A failed test for a device indicates a possible system issue and leads to a reduction of the overall score. The impact of a failed test on the score depends on the type of test, the type and size of load affected, and other weighting factors.

The device linked to the highest reduction of the score for an issue is marked as ' Worst '.

Disclaimer

The recommendations in this report are based on the information available to Power Advisor and may not consider other information that may be relevant to your situation. Please contact your Schneider Electric sales representative for a comprehensive evaluation.

Before you make any changes to the power monitoring system, make sure you have the proper training and follow all safety precautions.

This report is provided on an AS-IS basis and Schneider Electric makes no warranties or guarantees related to the accuracy, reliability or completeness of this report. Additionally, Schneider Electric makes no warranties or guarantees related to results obtained (or to be obtained) from the use of any information or recommendations contained in this report.

Your use or reliance on any information or recommendations contained in this report is solely at your own risk and this report is neither meant to be a substitute for consultation with a qualified professional nor a substitute for conducting an independent investigation. To the fullest extent permitted under applicable law, Schneider Electric expressly disclaims all warranties related to this report, either express or implied, including without limitation any warranties of fitness for a particular purpose or merchantability.

By accessing or using this report, you agree that Schneider Electric and its affiliates will have no liability to you or any other party for any actions taken or decisions made in reliance upon this report or for any direct, indirect, consequential, special or other damages even if advised of the possibility of such damages.

© 2021 Schneider Electric Industries, SAS

Make the most of your energy, Square D, PowerLogic, ION, and Modbus are registered trademarks of Schneider Electric, or its affiliates. Other marks used herein may be the properties of their respective owners.

www.se.com

Life Is On | Schneider Electric