

# MOSAIC SOLAR GREEN USE OF PROCEEDS SECURITIZED BOND

## MOSAIC SOLAR LOANS 2017-1 LLC FRAMEWORK OVERVIEW AND OPINION BY SUSTAINALYTICS

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## 1. PREFACE

Solar Mosaic, Inc. (“Mosaic”) will issue a Green Use of Proceeds Securitized Bond.<sup>1</sup> For that purpose, a series of notes (the “Notes”) will be issued under the Mosaic’s Solar Loan Program. The issuance will consist of one or more classes of Solar Loan backed notes and Residual Certificates which are issued through a wholly owned subsidiary named ‘Mosaic Solar Loans 2017-1 LLC’ (“the Issuer”). The Notes are secured by a pool of (Solar) Loans incurred by home owners to finance their purchase and installation of a solar energy system on their residence. These loans are secured by the related solar energy system. Mosaic retained Sustainalytics to review the structure of the issuance and to provide an opinion on the alignment of the Notes with the Green Bond Principles 2016 (“GBP”) administered by the International Capital Market Association (“ICMA”).

Sustainalytics engaged with members of Mosaic’s management team to understand the sustainability impact of the issuance, reviewed the deal documentation and the allocation of the proceeds for the issuance of the Notes. Sustainalytics also reviewed the public and internal deal documentation from Solar Mosaic, Inc. specifically relevant to the Notes. This document contains two sections: Framework Overview – summary of the Solar Mosaic Green Use of Proceeds Securitized Bond framework; and Sustainalytics’ Opinion – an opinion on Solar Mosaic’s issuance.

## 2. INTRODUCTION

### Overview

Mosaic operates a financial services platform that provides homeowners with loans used to finance the purchase and installation of solar energy systems on their home through a network of third party contractors. The organization’s current business strategy is to offer loan products that appeal to installers who offer Mosaic’s loans to their customers at point of sale. Mosaic relies on a network of U.S. based installers to offer Mosaic’s loans to homeowners as one option to fund the purchase of their solar energy system.

### Mosaic’s Solar Loans

Mosaic originates residential Solar Loans that enable customers to afford to purchase and own their own solar energy system. Mosaic’s Solar Loan program is specifically designed for the residential solar market. The Mosaic Solar Loans enables “approved installers” (see Appendix 1 and 2) to offer potential means of financing for the homeowner’s purchase and installation of a solar energy system. The installer surveys the home for solar resource quality, builds a preliminary system design, and models the solar energy expected for a full year. Based on the resulting model, the installer can describe the solar energy system specifications and energy savings potential offered to the customer by purchasing the solar energy system and various payment options available to the customers to fund the purchase (cash purchase, lease/power purchase agreements or loan financing).

Mosaic disburses the loan proceeds directly to the installer using a milestone schedule that corresponds to the solar energy system’s construction phases, with final disbursements made when the applicable utility serving the homeowner grants permission to operate, signifying that the solar energy system is fully ready to generate and transmit energy both to the home and the utility grid.

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<sup>1</sup> A type of Green Bonds as described in the Green Bond Principles, 2016; <http://www.icmagroup.org/assets/documents/Regulatory/Green-Bonds/GBP-2016-Final-16-June-2016.pdf>

Several policies at the federal, state, and local levels have helped to spur adoption of solar energy in the United States. The bulk of support has come from the federal solar tax credit (“ITC”) that is available to taxpayers making investments in new solar energy systems. The ITC generally provides an incentive for such investments by giving taxpayers a credit of up to 30% of the acquisition cost for new solar energy systems placed in service before specified deadlines. Mosaic’s customers may claim a credit against their federal income taxes so long as their Solar Energy System is placed in service before expiration of the ITC.

### **Securitization of Solar Loans**

The issuance of the Notes will primarily be secured by a pool of loans incurred by home owners to finance their purchase and installation of a solar energy system on their residence. These loans are secured by the related solar energy system. Mosaic has originated the pool of Solar Loans and will (on behalf of the Issuer as the servicer of the Solar Loan pool), among other things, bill and collect payments in respect of the Solar Loans, enforce the Solar Loans and monitor the performance of the Solar Loans.

Financed projects consist solely of residential Solar Loans that enable customers to afford to purchase, install and own their own solar energy systems. The Solar Loans were originated by Mosaic pursuant to referral agreements with Installers operating in Mosaic’s network that sell solar energy systems and related items and services to customers that have been approved by Mosaic for financing. Both the Installers and the equipment components used in the Solar Energy Systems have been approved by Mosaic pursuant to its policies and procedures.

### **Solar Loan Backed Notes**

Mosaic disclosed that total proceeds to be issued by the Notes are USD 138,950,000. The Notes are secured by a pool of Solar Loans. The transaction benefits from credit enhancement in the form of overcollateralization, yield supplement overcollateralization and a liquidity reserve. The Notes are benefiting from overcollateralization in the form of principal balance of Solar Loans that exceeds the principal balance of the issuance.

The proceeds from the issuance of the Notes will be used by the Issuer to acquire the Solar Loans and to pay certain expenses incurred in connection with the issuance of the Notes and the Residual Certificates.<sup>2</sup> The Notes will be secured by all of the Solar Loans acquired by the Issuer, and Mosaic has disclosed that the principal balance of the Solar Loans on the statistical cutoff date will be approximately USD 177,900,929.<sup>3</sup>

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<sup>2</sup> The Residual Certificates represent ownership of 100% of the residual economic interest in Mosaic Solar Loans 2017-1 LLC.

<sup>3</sup> See the Preliminary Offering Memorandum for further information on the statistical characteristics of the Solar Loans.

## 3. FRAMEWORK OVERVIEW

Mosaic’s issuance of the Notes uses a framework that is aligned with the four key pillars of the Green Bond Principles (“GBP”):

- Use of Proceeds
- Selection Process
- Management of Proceeds
- Reporting

### 3.1 Use of Proceeds

The proceeds of the Notes will be allocated to Solar Loans that finance solar energy systems that meet the following eligibility criteria.

#### 3.1.1 Eligibility Criteria

To be eligible to be funded by the proceeds, the projects funded must meet the following criteria:

- a. Fall within selected renewable and alternative energy product categories
  - i. Solar Panel Modules
  - ii. Solar inverters
  - iii. Services related to the installation of products under i. and ii.
- b. Installed by Mosaic approved installer
- c. Use Mosaic approved equipment.

Mosaic determines the eligibility of the projects financed based on “Installer Approval policies” and “Equipment qualification criteria”. Eligible projects must be undertaken with Mosaic’s “Approved Installers” and use equipment from the “Approved Vendor List” (as outlined in Appendix 1 and 2).

### 3.2 Project Evaluation and Selection Process

All projects that meet the eligibility criteria as described above are selected by Mosaic. Mosaic developed detailed policies and procedures for evaluating and approving prospective customers seeking to obtain a Solar Loan. Mosaic uses an internal review process. Mosaic’s Credit Committee assesses relevant criteria that allows Mosaic to make an educated informed decision on whether to approve an installer. All Solar Loans that are referred to Mosaic by its “Approved Installers” are eligible to be funded if the homeowner meets Mosaic’s underwriting criteria.

### 3.3 Management of Proceeds

The proceeds of the Notes are immediately directed to an underlying trust that is being used to acquire and hold the Solar Loans on behalf of the Issuer and the holders of its Notes and residual Certificates. The Solar Loans are currently owned by Mosaic or its warehouse financing subsidiaries prior to their sale to the Issuer. All Solar Loans will be assigned to the underlying trust upon the issuance of the Notes resulting in full allocation of the proceeds to the Solar Loans. Due to the required overcollateralization, the Notes are secured by a pool of Solar Loans in an amount equal to or greater than the amount of the Notes issuance at all times.

### 3.4 Reporting

#### Allocation Reporting

As all of the initial proceeds will be immediately allocated to Solar Loans, verification on allocation of the proceeds will be disclosed all at once at issuance of the Notes in the offering memorandum.

#### Impact Reporting

Mosaic utilizes a proprietary calculation model which estimates the renewable energy generating capacity for all installed Solar Energy Systems that are financed through its Solar Loan program.

Mosaic reports on assumed impact in the following area:

#### Renewable Energy Generation

1. *Methodology*  
Total capacity of the Solar Energy Systems in an aggregated manner in Megawatts.
2. *Specific Impact Metrics*
  - Total capacity of Solar Energy Systems financed by Solar Loans Backing the Notes in Megawatts (DC, direct current).
  - Total Assumed Renewable Energy Produced by such Solar Energy Systems (during assumed useful life) in Megawatt hours.

See Appendix 3 for figures on the assumed environmental impacts from the projects funded by the Solar Loans underlying the Notes.

## 4. SUSTAINALYTICS' OPINION

Mosaic's issuance of Notes supports investments in residential renewable energy projects by providing financing solutions to homeowners with loans financing residential solar energy installations. Mosaic allocates the proceeds from the Notes to Solar Loans, which are backed by the projects and products managed through Mosaic's Solar Loan program. Mosaic uses an overcollateralization strategy to secure the Notes and thereby ensures that all proceeds are matched by a portfolio of Solar Loans that meet the eligibility criteria resulting in a full allocation upon issuance. The issuance of the Notes will enable Mosaic to repay a portion of its current outstanding warehouse funding, which should enable Mosaic fund new Solar Loans.

Mosaic is currently a pure-play solar energy system financier and its Solar Loans offer an effective way to promote the uptake of renewable energy-generating products in the United States. Mosaic incentivizes home owners to install solar systems and products by offering loans to homeowners. Given the alignment of Mosaic's issuance with its overall strategy and the fact that the company is not implicated in severe environmental, social or governance controversies, Sustainalytics is of the opinion that Mosaic is well positioned to issue green bonds.

Sustainalytics is of the opinion that Mosaic implements a rigorous process to ensure that the Solar Loans underlying the notes are disbursed directly to the installers that meet Mosaic's criteria. Furthermore, the Solar Loans are not permitted to be used for any purpose other than the purchase and installation of a Solar Energy System or related items. Financed projects must be undertaken by Mosaic's "Approved Installers" and only use equipment on Mosaic's "approved equipment list". In order to select installers, Mosaic uses an internal review process. Mosaic's Credit Committee assesses relevant criteria that allows Mosaic to make an informed decision on whether to approve an installer. This assessment includes, among others, an evaluation of an installer's creditworthiness and solvency, and experience building residential solar systems.

### Impact of Use of Proceeds

The issuance of Notes backed by solar loans supports investments in residential renewable energy projects with positive environmental impacts. Mosaic's asset-backed securitization of rooftop Solar Loans fits within the four recognized types of Green Bonds as described in the Green Bond Principles, 2016. Furthermore, Mosaic reports on the aggregated renewable energy generating capacity of the solar energy systems it has funded and the total assumed renewable energy produced during the lifetime of the projects. These metrics provide investors insights on the scale of the impact of the solar systems funded by the Notes.

**Alignment with Green Bond Principles 2016:** Sustainalytics has determined that the issuance aligns with the four pillars of the Green Bond Principles 2016. For detailed information please refer to the Green Bond/Green Bond Programme External Review Form in the Appendix.

### Conclusion

Through the issuance of the Notes, Mosaic supports investments in residential renewable energy projects by providing financing to homeowners with loans that will directly enable the sale and installation of residential solar energy systems. Sustainalytics is of the opinion that the issuance is aligned with current market standards and norms, including the four pillars of the Green Bond Principles 2016. The use of proceeds, project selection, management of proceeds, and reporting are robust and credible. The criteria that are used for the Notes are sound and the selection processes are diligent.

# APPENDICES

## Appendix 1: Mosaic's Installer Approval Policies and Procedures

Mosaic permits an Installer to access its advanced technology financing platform only after such Installer has been underwritten, evaluated and approved by Mosaic's Credit Committee and designated as an Approved Installer. Any Installer who seeks to become an Approved Installer must initially provide Mosaic with the following information (collectively, the "*Application Documents*"): evidence of a valid, active state contractor's license, a completed Installer application form ("*Installer Application*") and a copy of such Installer's solar installation agreement and solar warranty documentation ("*Installer Agreements*").

The Installer Application requires an Installer to provide detailed information regarding, among other things: annual sales volume, annual loan volume, geographic sales area, experience (number of years in business and Solar Energy Systems installed to date), number of employees, including those certified by the North American Board of Certified Energy Practitioners and those certified as licensed professional engineers, number of complaints registered with the applicable State licensing board for contractors, the amount and type of insurance coverage maintained, documentation regarding Installer practices, including workmanship warranty, monitoring services, types of modules, inverters and other components offered, and forms of sale and installation agreements.

Upon receipt of an Installer's Application Documents, Mosaic's staff reviews (1) the Installer Application for completeness, and to the extent necessary prepares an internal write up providing context for any criteria that are not in the generally acceptable range, and (2) the Installer Agreements for conformity to general standards in the solar industry and with regulatory requirements, in each case consulting legal counsel as necessary. A summary of the foregoing review is then provided to Mosaic's Credit Committee, which reviews the summary and other information it may request and will then either approve such Installer, request additional information on the Installer or reject the Installer application.

Mosaic requires that representatives for each Approved Installer receive online compliance training on consumer lending compliance matters.

Performance by Approved Installers is monitored by Mosaic on an ongoing basis and an Installer may be removed as an Approved Installer by Mosaic's management or by the Credit Committee at any time, based on a breach of the Installer's agreement with Mosaic. Through December 31, 2016, Mosaic has terminated approximately 14 previously Approved Installers for compliance or financial cause.

## Appendix 2: Mosaic’s Authorized Vendor List

### Mosaic’s Equipment Vendor Approval Policies and Procedures

Approved Installers are required to use solar panels and inverters manufactured by vendors specified on Mosaic’s “Authorized Vendor List.” The Authorized Vendor List is a list of equipment providers that manufacture or distribute solar panels and/or inverters used in the Solar Energy Systems financed by Mosaic. Such vendors and their equipment must satisfy criteria adopted from time to time by Mosaic. Mosaic’s current criteria have been adopted by Mosaic’s Credit Committee based on its review of (1) information supplied by the vendors, (2) third party reports (including independent engineer reports), (3) other analysis regarding performance of the Solar Energy System components, and (4) other relevant criteria.

Any solar panel or inverter equipment manufacturer (“Vendor”) wishing to be considered for inclusion on the Authorized Vendor List must submit responses to a list of questions and selection criteria developed by Mosaic that includes, among other things (1) an overview of the Vendor and such Vendor’s Experian credit score, (2) detailed specifications regarding the product, including the product warranty to be provided, (3) key materials used in the panels or inverters, as applicable, and related risks associated with such materials, (4) performance and reliability data, (5) warranty claim history and processes, (6) ISO certifications, (7) installation history, (8) product support, (9) technology review and (10) other standard acceptance criteria.

Mosaic’s staff reviews the Vendor’s responses in order to confirm whether the Vendor information is complete and the product meets Mosaic’s approval standards or, if not, whether any extraordinary circumstances exist which nonetheless justify approval of the Vendor, and presents the results of their review to the Credit Committee for approval. Mosaic’s Authorized Vendor List currently includes the following:

*Approved Solar Panel Modules:*

AU Optronics	Axitec	Canadian Solar
Centro Solar America	CSUN	Dow Chemical
ET Solar Industry	First Solar	Hanwha
Hyundai	JA Solar	Jinko
Kyocera	LG	Light Way Green New Energy
Mage Solar USA	Mitsubishi Electric	Motech
Phono Solar	RECSolar ASA	ReneSola
Samsung	Sanyo	Silevo (Solar City)
Sharp	Silfab	SolarWorld
Suniva	SunPower	Sunpreme
Trina Solar	UpSolar	WINAICO
Yingli Green Energy		

*Approved Inverters:*

ABB	APSystems	Delta
Enphase	Fronius	PowerOne
PV Powered	SolarEdge Technologies	SMA
Solertia Renewable	Solis (Ginlong)	SunPower

### Appendix 3: Impact Statistics for Mosaic Solar Loans 2017-1 LLC

Table 1: Impact Statistics Mosaic Solar Loans 2017-1 LLC

Environmental Impact	Impact Metrics	Impact Figures
Total capacity of solar energy systems financed by solar loans backing the notes	Megawatts (DC)	approximately 43 MW
Total assumed renewable energy produced by solar energy systems (during assumed 30 years of useful life)	Megawatt hours	approximately 1,850,000 MWh

### Appendix 4: Documents Reviewed

Sustainalytics reviewed the following documents for the purposes of writing this report:

	Document Name
1	Mosaic Solar Loans 2017 1 LLC - Preliminary Offering Memorandum
2	Asset Pool (Loan Tape) Mosaic Solar Loans 2017 1 LLC
3	Mosaic Installer and Equipment Approval Policy

## Appendix 5: Green Bond/Green Bond Programme External Review Form

### Green Bond / Green Bond Programme External Review Form

#### Section 1. Basic Information

**Issuer name:** Mosaic Solar Loans 2017-1 LLC

**Green Bond ISIN or Issuer Green Bond Framework Name, if applicable:** Mosaic Solar Green Use of Proceeds Securitized Bond

**Review provider's name:** Sustainalytics

**Completion date of this form:** January 2017

**Publication date of review publication:**

#### Section 2. Review overview

##### SCOPE OF REVIEW

The review assessed the following elements and confirmed their alignment with the GBPs:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Use of Proceeds        | <input checked="" type="checkbox"/> Process for Project Evaluation and Selection |
| <input checked="" type="checkbox"/> Management of Proceeds | <input checked="" type="checkbox"/> Reporting                                    |

##### ROLE(S) OF REVIEW PROVIDER

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Consultancy (incl. 2 <sup>nd</sup> opinion) | <input type="checkbox"/> Certification |
| <input type="checkbox"/> Verification   | <input type="checkbox"/> Rating        |
| <input type="checkbox"/> Other ( <i>please specify</i> ):                       |  |

##### EXECUTIVE SUMMARY OF REVIEW and/or LINK TO FULL REVIEW

Please refer to Green Bond Framework and Second Opinion Document above.

Sustainalytics is of the opinion that the issuance aligns with current market standards and norms, including the four pillars of the Green Bond Principles 2016. The use of proceeds, project selection, management of proceeds, and reporting are robust and credible.

### Section 3. Detailed review

#### 1. USE OF PROCEEDS

**Overall comment on section:**

The Use of Proceeds of this bond are clearly described in the legal documentation of the security. Financed projects consist solely of residential Solar Loans and projects must be undertaken by Mosaic’s “Approved Installers” and only use equipment on Mosaic’s “approved equipment list” (i.e. Solar Panel Modules and Inverters). Renewable Energy is an eligible green project category, as it contributes to climate change mitigation and the sustainable use of natural resources.

Mosaic is a pure-play solar energy system financier and its Solar Loans offer an effective way to promote the uptake of renewable energy-generating products in the United States. Mosaic incentivizes home owners to install solar systems and products by offering loans to homeowners. Mosaic allocates the proceeds from the Notes to Solar Loans, which are backed by the projects and products managed through Mosaic’s Solar Loan program.

Based on the review of the project category, Sustainalytics is confident regarding the green credentials of the use of proceeds.

**Use of proceeds categories as per GBP:**

- Renewable energy
- Pollution prevention and control
- Terrestrial and aquatic biodiversity conservation
- Sustainable water management
- Eco-efficient products, production technologies and processes
- Unknown at issuance but currently expected to conform with GBP categories, or other eligible areas not yet stated in GBPs
- Energy efficiency
- Sustainable management of living natural resources
- Clean transportation
- Climate change adaptation
- Other (*please specify*):

#### 2. PROCESS FOR PROJECT EVALUATION AND SELECTION

**Overall comment on section:**

All Solar Loans that are referred by Mosaic and comply with the eligibility criteria may be funded. Mosaic developed detailed policies and procedures for evaluating and approving prospective customers seeking to

obtain a Solar Loan. Mosaic uses an internal review process involving the Credit Committee to assess several criteria that allows Mosaic to make an educated decision on whether to approve an installer.

Based on the review of these processes and assessment criteria used, Sustainalytics is of the opinion that the process to select eligible projects is credible.

### Evaluation and selection

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Defined and transparent criteria for projects eligible for Green Bond proceeds | <input checked="" type="checkbox"/> Documented process to determine that projects fit within defined categories |
| <input checked="" type="checkbox"/> Summary criteria for project evaluation and selection publicly available       | <input type="checkbox"/> Other ( <i>please specify</i> ):   |

### Information on Responsibilities and Accountability

- |   |   |
|---|---|
| <input type="checkbox"/> Evaluation / Selection criteria subject to external advice or verification | <input checked="" type="checkbox"/> In-house assessment |
| <input type="checkbox"/> Other:   |   |

## 3. MANAGEMENT OF PROCEEDS

### Overall comment on section:

The proceeds of the Notes are immediately directed to an underlying trust that is being used to acquire and hold the Solar Loans that on behalf of the Issuer and the holders of its Notes and residual Certificates. The Solar Loans are currently owned by Mosaic or its warehouse financing subsidiaries. prior to their sale to the Issuer. All of the solar loans will be sold to the underlying trust upon the issuance of the Notes resulting in full allocation of the proceeds to the Solar Loans. Due to the required overcollateralization, the Notes are secured by a pool of Solar Loans in an amount equal to or greater than the amount of the Notes issuance at all times.

### Tracking of proceeds:

- |   |
|---|
| <input checked="" type="checkbox"/> Green Bond proceeds segregated or tracked by the issuer in a systematic manner            |
| <input checked="" type="checkbox"/> Disclosure of intended types of temporary investment instruments for unallocated proceeds |
| <input type="checkbox"/> Other  |

### Additional disclosure:

- |   |  |
|---|--|
| <input type="checkbox"/> Allocations to future investments only                             | <input type="checkbox"/> Allocations to both existing and future investments   |
| <input type="checkbox"/> Allocation to individual disbursements                             | <input checked="" type="checkbox"/> Allocation to a portfolio of disbursements |
| <input checked="" type="checkbox"/> Disclosure of portfolio balance of unallocated proceeds | <input type="checkbox"/> Other ( <i>please specify</i> ):                      |

#### 4. REPORTING

##### Overall comment on section:

As proceeds will be allocated at time of closing or shortly thereafter, verification on allocation of the Green Use of Proceeds Securitized Bond proceeds will be disclosed all at once at issuance of the Notes in the offering memorandum.

Mosaic utilizes a proprietary calculation model to estimate the aggregated renewable energy generating capacity of the projects related to the Solar Loans financed and reports on the following impact metrics:

- Assumed Renewable energy generation capacity
- Assumed Renewable Energy Produced (during assumed 30 years of useful life)

##### Use of proceeds reporting:

- |  |  |
|--|--|
| <input type="checkbox"/> Project-by-project            | <input checked="" type="checkbox"/> On a project portfolio basis |
| <input type="checkbox"/> Linkage to individual bond(s) | <input type="checkbox"/> Other ( <i>please specify</i> ):        |

##### Information reported:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Allocated amounts     | <input type="checkbox"/> GB financed share of total investment |
| <input type="checkbox"/> Other ( <i>please specify</i> ): |  |

##### Frequency:

- |   |                                      |
|---|--------------------------------------|
| <input type="checkbox"/> Annual                                 | <input type="checkbox"/> Semi-annual |
| <input checked="" type="checkbox"/> Other: <i>Upon Issuance</i> |                                      |

##### Impact reporting:

- |  |  |
|--|--|
| <input type="checkbox"/> Project-by-project            | <input checked="" type="checkbox"/> On a project portfolio basis |
| <input type="checkbox"/> Linkage to individual bond(s) | <input type="checkbox"/> Other ( <i>please specify</i> ):        |

##### Frequency:

- |   |                                      |
|---|--------------------------------------|
| <input type="checkbox"/> Annual                                 | <input type="checkbox"/> Semi-annual |
| <input checked="" type="checkbox"/> Other: <i>Upon Issuance</i> |                                      |

##### Information reported (expected or ex-post):

- |  |   |
|--|---|
| <input type="checkbox"/> GHG Emissions / Savings   | <input type="checkbox"/> Energy Savings |
| <input checked="" type="checkbox"/> Other ESG indicators ( <i>please specify</i> ):<br><i>Renewable energy generating capacity and Assumed Renewable Energy produced (over the assumed useful life of the equipment)</i> |   |

## Means of Disclosure

- |  |   |
|--|---|
| <input type="checkbox"/> Information published in financial report   | <input type="checkbox"/> Information published in sustainability report |
| <input checked="" type="checkbox"/> Information published in ad hoc documents  | <input type="checkbox"/> Other ( <i>please specify</i> ):               |
| <input type="checkbox"/> Reporting reviewed ( <i>if yes, please specify which parts of the reporting are subject to external review</i> ): |   |

## USEFUL LINKS

<a href="https://joinmosaic.com/">https://joinmosaic.com/</a>
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## SPECIFY OTHER EXTERNAL REVIEWS AVAILABLE, IF APPROPRIATE

### Type(s) of Review provided:

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Consultancy (incl. 2 <sup>nd</sup> opinion) | <input type="checkbox"/> Certification |
| <input type="checkbox"/> Verification / Audit                                   | <input type="checkbox"/> Rating        |
| <input type="checkbox"/> Other ( <i>please specify</i> ):                       |  |

### Review provider(s):

Sustainalytics, Inc.

### Date of publication:

January 2017

## ABOUT ROLE(S) OF REVIEW PROVIDERS AS DEFINED BY THE GBP

- (i) Consultant Review: An issuer can seek advice from consultants and/or institutions with recognized expertise in environmental sustainability or other aspects of the issuance of a Green Bond, such as the establishment/review of an issuer's Green Bond framework. "Second opinions" may fall into this category.
- (ii) Verification: An issuer can have its Green Bond, associated Green Bond framework, or underlying assets independently verified by qualified parties, such as auditors. In contrast to certification, verification may focus on alignment with internal standards or claims made by the issuer. Evaluation of the environmentally sustainable features of underlying assets may be termed verification and may reference external criteria.
- (iii) Certification: An issuer can have its Green Bond or associated Green Bond framework or Use of Proceeds certified against an external green assessment standard. An assessment standard defines criteria, and alignment with such criteria is tested by qualified third parties / certifiers.
- (iv) Rating: An issuer can have its Green Bond or associated Green Bond framework rated by qualified third parties, such as specialised research providers or rating agencies. Green Bond ratings are separate from an issuer's ESG rating as they typically apply to individual securities or Green Bond frameworks / programmes.

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*The Opinion was drawn up with the aim to explain why the analyzed bond is considered sustainable and responsible. Consequently, this Opinion is for information purposes only and Sustainalytics will not accept any form of liability for the substance of the opinion and/or any liability for damage arising from the use of this Opinion and/or the information provided in it.*

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*The client is fully responsible for certifying and ensuring its commitments` compliance, implementation and monitoring.*

# SUSTAINALYTICS

Sustainalytics is the largest independent provider of sustainability research, analysis, and services to investors. We serve over 250 institutional investors which include some of the world's largest asset owners and asset managers. Through over 20 years of experience serving the responsible investment (RI) market, we have gained a reputation for providing high-quality ESG research solutions and excellent client service.

Sustainalytics is headed by seasoned professionals in the field of business, finance, and sustainability, with a wealth of experience in the Responsible Investment area. After more than 20 years of local experience and expertise in the Responsible Investment (RI) market Sustainalytics has developed a comprehensive understanding of trends and best practices and a solid process to assist organisations in integrating ESG considerations into their policies and strategies. We have worked with some of the world's financial institutions including pension plans, investment managers and banks providing customised support to help them achieve their RI objectives. Clients include ABN AMRO, APG, BBVA, BNP Paribas, Deutsche Bank, ING Bank, Lombard Odier, Lloyds Bank, Triodos Bank, UBS and over 250 other financial institutions and organisations.

Sustainalytics now has a staff of 250 employees globally, including over 120 analysts, with operations in Amsterdam, Boston, Bucharest, Frankfurt, New York, Paris, London, Singapore, Sydney, Timisoara, and Toronto, and representation in Brussels and Washington DC.



In 2015, Sustainalytics was named the Best SRI or Green Bond Research Firm by GlobalCapital. In December 2014, for the third year in a row, Sustainalytics was named best sustainable and responsible investment research firm in the Independent Research in Responsible Investment (IRRI) Survey, conducted by Thomson Reuters and SRI-CONNECT.

**SUSTAINALYTICS**  
At a Glance

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4,500 Issuers
- Corporate Governance Research  
4,000 Issuers
- Global Compact Research  
20,000+ Issuers
- Product Involvement  
40,000 Issuers
- Controversial Weapons Radar  
40,000 Issuers
- Sector Research  
42 Peer Groups

**Our Team**

Michael Jantzi, CEO

More than 250 staff members, including over 120 analysts with multidisciplinary and industry expertise

Shareholders: ABN AMRO MeesPierson, Michael Jantzi and senior staff, Mooncrest Holdings Limited, PGGM, Renewal Partners, Silver Box Holdings Limited and Triodos

Board Members:  
Else Bos, CEO, PGGM

Alan Broadbent, CEO, Avana Capital Corporation

Melissa Brown, Partner, Daobridge Capital

Mike Musuraca, Managing Director, Blue Wolf Capital Partners LLC

Glen Saunders, Former board member and current senior adviser, Principles for Responsible Investment (PRI)

Georg Schürmann, Managing Director of Triodos Bank Germany

**Our Offices**

Offices in Amsterdam (Headquarters), Boston, Bucharest, Frankfurt, London, New York City, Paris, Singapore, Sydney, Timisoara, and Toronto. Representative offices in Brussels and Washington D.C.

**Our Clients**

Our 300+ clients worldwide include financial institutions, asset managers, mutual funds, pension funds, banks, insurance companies, international organizations and academic networks