OpenStudio Version 2.3.0

Release Notes – 9/30/2017

These release notes describe version 2.3.0 of the OpenStudio software suite developed by the National Renewable Energy Laboratory (NREL), Buildings and Thermal Systems, Commercial Buildings Research Group, Tools Development Section, and associated collaborators. The notes are organized into the following sections:

* Where to Find OpenStudio Documentation
* Installation Notes
* Overview

# Where to Find OpenStudio Documentation

* OpenStudio release documentation, including these release notes, tutorials, and other user documentation, is available at <https://www.openstudio.net/>.
* C++ API documentation is available at <https://openstudio-sdk-documentation.s3.amazonaws.com/index.html>.
* Measure development documentation is available at <http://nrel.github.io/OpenStudio-user-documentation/reference/measure_writing_guide/>.

# Installation Notes

OpenStudio is supported on Windows 7 – Windows 10, OS X 10.10 – 10.11, and 64-bit Ubuntu 14.04.

OpenStudio 2.3.0 supports EnergyPlus Release 8.8.0, which is bundled with the OpenStudio installer. It is no longer necessary to download and install EnergyPlus separately. Other builds of EnergyPlus are not supported by OpenStudio 2.3.0.

OpenStudio 2.3.0 supports Radiance 5.0.a.12, which is bundled with the OpenStudio installer; users no longer have to install Radiance separately, and OpenStudio will use the included Radiance version regardless of any other versions that may be installed on the system. Other builds of Radiance are not supported by OpenStudio 2.3.0.

## Installation Steps

* The OpenStudio SketchUp Plug-in requires [SketchUp 2017](http://www.sketchup.com/) (not available for Linux). The OpenStudio SketchUp Plug-in does not support older versions of SketchUp.
  + If the OpenStudio Plug-in does not automatically load in SketchUp, open the Window->Preferences->Extensions window in SketchUp and enable the OpenStudio plug-in if it is listed.
* Download and install [OpenStudio](https://www.openstudio.net/downloads). Select components for installation.
* Setup a Building Component Library (BCL) account to access online building components and measures. [View instructions on how to setup your account and configure the key in OpenStudio](http://nrel.github.io/OpenStudio-user-documentation/getting_started/getting_started/).

# Overview

With the release of OpenStudio 2.3.0, users will find additional refinements and continued increases in capability.

**OpenStudio Application**

OpenStudio Application now provides a newly implemented 3D Geometry Editor tab.

**DView**

Historically, DView has been used for residential building modeling data visualization. DView is now being released with OpenStudio.

**OpenStudio Model**

OpenStudio Model received the following updates:

Additionally, the following objects have been wrapped:

**OpenStudio Standards Gem**

**OpenStudio Workflow Gems (WFG)**

**OpenStudio Server**

OpenStudio Server’s robustness has been improved with the following updates:

## Issue Statistics Since Previous Release

* 111 new issues were filed since the 2.2.0 release of OpenStudio (not including opened pull requests).
* 154 issues were closed since the 2.2.0 release of OpenStudio (not including closed pull requests).