

# Environmentally Focused Projects Map at the Boeing Auburn Facility



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## Introduction

### Problem:

Conservation project data was contained in various documents and required a lot of tedious manual updates on Microsoft PowerPoint presentations each time that the progress status or calculations changed.

### Proposed Solution:

- Create a heatmap that provides an at-a-glance summary of ongoing and upcoming Conservation projects at Boeing facilities to:
- Update high-level management on conservation projects
  - Provide at-a-glance tracking of proposed project progress
  - Show progress toward environmentally sustainable reduction goals for 2025
  - Correlate data with location of projects

## Boeing Conservation Goals



Figure 1: The conservation goals Boeing intends to reach by 2025

## Project Information for Auburn Facility

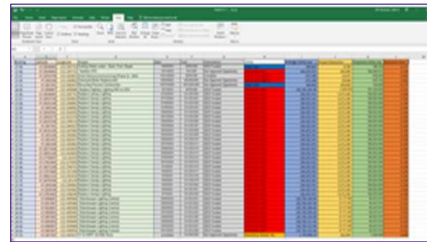


Figure 2: The collection of information used to generate the heatmap.

## Method

To create a heatmap it was necessary to sort, organize, and format data within Tableau:

### Project Workflow

- Retrieve project data from relevant source
- Input data into a Microsoft Excel spreadsheet designed to work within the constraints required by Tableau
- Update the Tableau heatmap to include new project data
- Format the heatmap to reflect relevant heads-up information ( at-a-glance sharing)
- [Optional] Create a Dashboard and/or Story in Tableau to better present project information to viewers

## Discussion

The heatmap was determined to be the best tool for several reasons:

- Allows for easy sharing of project related information and figures when the main spreadsheet is updated.
- Enables quick preparation for presentations to management, even when sudden updates are requested, to make determinations and decisions concerning the future and progress of each of these projects.
- Indicates numerous project opportunities available at both the Auburn and Frederickson sites.
- Better tracks and communicates what, if any, projects need the attention of management to progress.
- Allows for teams to adjust more quickly as needed.
- Encourages a focus on opportunities earlier to prevent any potential delays or issues in the planning phase.

## Auburn Facility Heatmap



Figure 3: The final heatmap displaying ongoing projects at the Auburn Facility.

## Conclusion

The heatmap offers a flexible tool to manage environmental projects:

- The heatmap is a useful tool that can provide an at-a-glance breakdown of upcoming and in progress projects.
- Can be used to identify issues in projects that require additional attention in order to remain under budget or on schedule.
- The heatmap can also be used to provide a visual indication for areas that require more attention.
- Can accurately represent the progress Boeing is making towards their reduction goals.
- Additionally, the heatmap can be formatted to be used at any Boeing site.

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