Database Plan Development: Research Analysis

About the Office of Sustainability
Supports and advances:
- Environmental performance
- Economic prosperity
- Social equality

The staff facilitate:
- Sustainable policy development
- Policy implementation
- Campus community practices/curricula

Project Scope
Research/Provide recommendations:
- Data collection processes
- Data reporting processes
- Drupal content management system

Why the need?
- Processes were too manual
- Labor intensive/time consuming
- Required lots of personnel to complete

Recommended Data Collection/Reporting Process
Import/Collect Data via MS Access → Export tables as multiple .CSV files → Run Excel Macro for calculations → Import .CSV files into Drupal database → Link items in database to web page items → Customize reporting display

Original Methodology

Successes
- Understanding Drupal
- Time management
- Open/effective communication

Challenges
- Learning Drupal
  - Achieving “endless possibilities”
- Normalizing the data
  - Many different types of data involved
- Recommended solution development
  - Linking SQL queries & VBA macros

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