- Prompt user as to what alarm set points will be generated.

- Filter data based on control tags or other applicable methodology for removing offline data.

- Flag NANs and stale data points, and consolidate the original array.

- Compare short-term to long-term for each PI tag. Determine if an operational shift has occurred in the short-term, warranting the truncation of long-term historical data.

- Derive variance and standard deviation for statistical analysis.

- Compare normalized standard deviation (Z-score) to user-defined constants. Parse acceptable values into holding array.

- Truncate highest and lowest array values.

- Generate new average, variance, and standard deviation.

- Generate applicable set points based on highest/lowest array value. These points are scaled by user-defined constants and rounded to a user-defined constant of the standard deviation.

- Generate alarm excursion counts based on original array tested against proposed alarm set points. Perhaps an "in-alarm" percentage may be more valuable here?

- Write holding array to CSV file.