**Calibration Algebraic Section Outputs**

AOX\_CALIBRATION\_MODEL\_TIMESTAMP.mat: File containing everything from calibration model needed to run in standalone approximation program

AOX\_ALGEBRAIC\_COEFFICIENT\_MATRIX.csv: CSV file of algebraic coefficients for model

BALFIT\_ANOVA\_STATS.xlsx: ANOVA results for BALFIT

BALFIT\_DATA\_REDUCTION\_MATRIX\_IN\_AMES\_FORMAT.txt: Data reduction matrix for input into BALFIT

CALIB ALG Tare Corrected Load Approximation.csv: Load approximation from calibration input voltages using algebraic model with tare loads subtracted

CALIB Report.xlsx: Summary of calibration results and evaluation metrics for algebraic and GRBF sections (if run)

DIRECT\_ANOVA\_STATS.xlsx: ANOVA results for calibration model

DIRECT\_RECOMM\_EquationMatrix.csv: Recommended equation based on ANOVA

STABLE\_DIRECT\_RECOMM\_EquationMatrix.csv: Recommended equation based on ANOVA, iterated until significant terms do not change

**Calibration GRBF Section Outputs**

AOX\_GRBF\_Widths.csv: Widths used for GRBFs placed

AOX\_GRBF\_Coefficients.csv: Coefficients used for GRBFs placed

AOX\_GRBF\_Centers.csv: Index of datapoints where GRBFs were placed

CALIB GRBF Tare Corrected Load Approximation.csv: Load approximation from calibration input voltages using algebraic model with GRBFs added with tare loads subtracted

**Validation Algebraic Section Outputs**

VALID ALG Tare Corrected Load Approximation.csv: Load approximation from validation input voltages using algebraic model with tare loads subtracted

VALID ALG Tare Corrected Load Approximation w PI.xlsx: Load approximation from validation input voltages with tares subtracted on Tab 1. Tab 2 contains the approximation +/- the prediction interval. Tab 3 contains the prediction interval values

VALID Report.xlsx: Summary of validation results and evaluation metrics for algebraic and GRBF sections (if run)

**Validation GRBF Section Outputs**

VALID GRBF Tare Corrected Load Approximation.csv Load approximation from validation input voltages using algebraic model with GRBFs added with tare loads subtracted

**Approximation Algebraic Section Outputs**

APPROX ALG Global Load Approximation.csv: Global Load approximation from approximation input voltages using algebraic model (No tare correction).

APPROX ALG Global Load Approximation w PI.xlsx: Global Load approximation from approximation input voltages on Tab 1 (No tare correction). Tab 2 contains the approximation +/- the prediction interval. Tab 3 contains the prediction interval values

**Approximation GRBF Section Outputs**

APPROX GRBF Global Load Approximation.csv: Global Load approximation from approximation input voltages using algebraic model with GRBFs added (No tare correction).