



OVERVIEW MEMD 2023

UPDATES

Overview MEMD 2023

- Introduction
- Revision/Change Document
- Structure Change
- Non Weather Sensitive Updates
- Weather Sensitive Updates
- SEER2
- Wrap Up

REVISIONS

MEMD Summary of Measure Revisions and Additions

- Summary
 - New – Utility Requested
 - Modified – Utility Requested
 - MMP Updates – Codes, Standards, ENERGY STAR, and clean up items
- Requests
 - Evaluator and Utility issues found and questions

WMS MASTER

Structure Change

- Weather Sensitive Break-up
- Multifamily High Rise, Low Rise

WMS MASTER

Weather Sensitive Master

2022 – One file

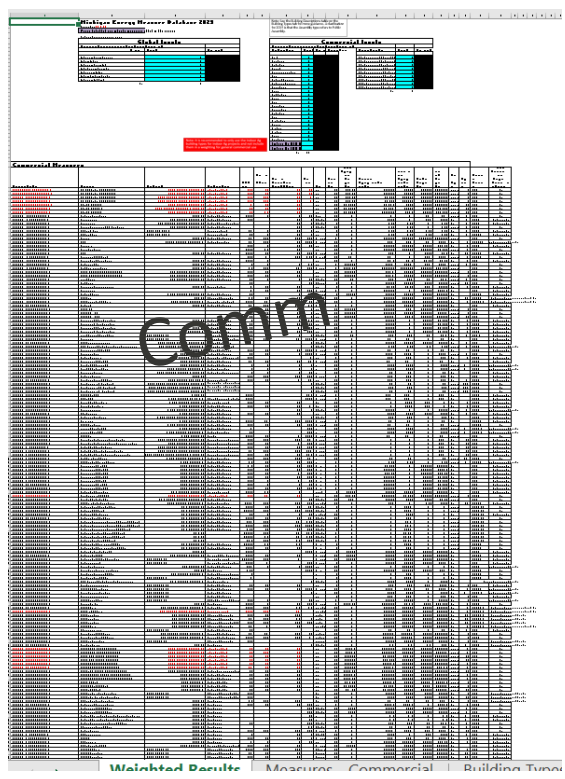
The screenshot displays a complex Excel spreadsheet titled "Weather Sensitive Master 2022". The main data area is organized into four primary columns, each representing a different building type: "Comm" (Commercial), "Single Family", "Manf" (Manufacturing), and "MF" (Multi-Family). Each of these columns contains a dense grid of data points, likely representing various weather-sensitive metrics across numerous projects or units. The data is color-coded, with rows in shades of purple, green, blue, and yellow, indicating different categories or values. Above the main data grid, there are several smaller tables and charts, including "Weather Sensitive Master 2022", "Weather Sensitive Master 2021", and "Weather Sensitive Master 2020", which appear to be summary or comparison tables. The bottom of the spreadsheet features a navigation bar with tabs for "Weighted Results", "Measures - Commercial", "Measures - Residential", "Building Types", "Commercial", "MF Residential", "SF Residential", and "Manufactur ...". The text "Comm", "Single Family", "Manf", and "MF" is overlaid on the respective columns of the main data table.

WMS MASTER

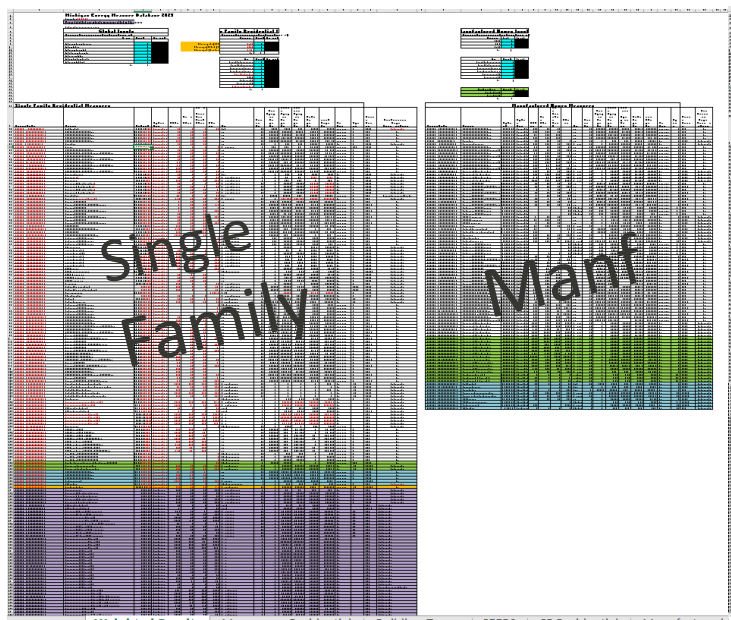
Weather Sensitive Master

2023 – Three files

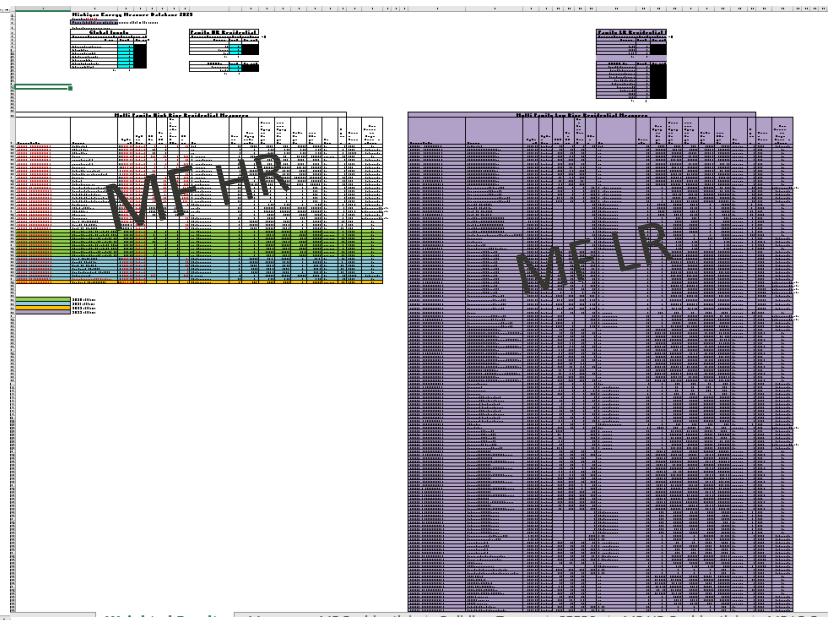
Commercial



Residential



MultiFamily



Non Weather Sensitive Updates

- Residential Load Shapes
 - New demand savings
- Commercial
 - CRAC – Computer Room Air Conditioners
- Residential/Multifamily
 - Steam Traps
 - Room AC – ENERGY STAR Inverter Driven
 - EV Chargers
 - LED Savings Life

SEER2/HSPF2

SEER/SEER2 and HSPF/HSPF2 Equivalencies

Efficiencies in the SEER2/HSPF2 columns are equivalent to the corresponding values in the SEER/HSPF columns.

For example a 16 SEER2 heat pump provides the equivalent savings as a 17 SEER heat pump, and the 17 SEER measure is appropriate for a 16 SEER2 unit.

Heat Pumps

SEER	SEER2	notes
14	13.4	Federal Standard to be phased out
15	14.3	New Federal Standard
16	15.2	New ENERGY STAR requirement
17	16	
18	17	
19	18	
20	19	
21	20	
22	21	
23	22	
24	23	

Air Conditioning Equipment

SEER	SEER2	notes
14	13.4	New Federal Standard
15	14.3	
16	15.2	New ENERGY STAR requirement
17	16	
18	17	
19	18	
20	19	
21	20	
22	21	
23	22	
24	23	

HSPF	HSPF2	notes
8.5	7.1	
8.8	7.5	New Federal Standard
9.2	7.8	New ENERGY STAR requirement
9.5	8	
10	8.4	
10.2	8.5	
10.8	8.9	
11	9.1	
11.3	9.3	

WSM

Weather Sensitive Updates

Questions?