

High Performance Windows MPI Table, October 2023.					
MPI#	Term	Logic Model Outcome	Market Progress Indicator	Metric	Data Source
I	Short	Inclusion of HPW (E* 7.0) in above code programs, incentives and tax credits	a. Inclusion of HPW in above code programs, with incentives b. Inclusion of HPW in tax credits	a. Number of programs b. Inclusion in tax credits	a. Literature review
II	Short	Window suppliers and raters increasingly recommend HPW (E*7.0)	a. Suppliers' year-over-year sales of HPW qualified products increase. b. Raters' recommendation of HPW qualified products increases year-over-year c. Year-over-year increase in the share of HPW installed new homes.	a. Number of installations b. Rate of recommendation	a. Rater survey b. Supplier survey
III	Short	Several volume builders use HPWs as standard practice in NC projects	a. Year-over-year count of builders installing HPW as standard increases.	a. Number of builders	a. Builder survey
IV	Short	Awareness increases among builders and MF Managers/Owners	a. Year-over-year builder awareness increase b. Year-over-year MF Manager/Owner awareness increase	a. Rate of awareness increases	a. Builder survey b. Building manager/owner survey
V	Short	Awareness increases among homeowners	a. Year-over-year homeowner awareness increase	a. Rate of awareness increases	a. Consumer survey
VI	Short	Demand increases among homeowners	a. Homeowners' enquiry about HPW qualified increases year-over-year b. Year-over-year increase in the share of HPWs installed in new homes	a. Number of installations b. Consumers' rate of request	a. Builder survey b. Consumer survey
VII	Short	Increase in ES v. 7.0 products available in N zone	a. Year-over-year increase in qualified products	a. Number of qualified products listed	a. E* V7 QPL
VIII	Short	ENERGY STAR Spec 7.0 market share grows	a. Year-over-year increase in E* V 7.0 market share	a. E* V7.0 market share	a. E* shipment data report
IX	Short	Unified US front to market (national builders, ENERGY STAR, manufacturers)	a. Co-signed comment letters to EPA or DOE	a. Number of co-signed comment letters b. Number of co-signers	a. Partnership for advanced windows (PAWS)
X	Short	Several major suppliers / retailers carry TTWs (HPW)	a. Increasing number of suppliers have HPW qualified products available	a. Supplier availability	a. Web search b. Supplier survey
XI	Short	ESME spec to .18 or lower	a. ESME Spec reduced to U-0.18 or less	a. ESME U factor	a. ESME Windows spec
XII	Med	Demand increases among builders and MF managers/owners	a. Year-over-year installations of HPW qualified products increase. b. Year-over-year increase in the share of HPWs installed in new homes.	a. Number of installations b. Market share of HPW homes	a. Builder survey b. builder survey, building stock survey, permit data
XIII	Med	Incremental consumer costs of HPW declines	a. Year-over-year decrease in average incremental unit cost based on NPV of MTI start year	a. Cost data	a. Supplier survey b. Builder survey
XIV	Med	Market Share of ENERGY STAR 7.0 windows @ 50%+	a. Year-over-year increase in E* V 7.0 market share	a. E* V7.0 market share	a. E* shipment data report
XV	Med	HPW share increases as replacement product in retrofit projects	a. Year-over-year increase in retrofit market share	a. Market share	a. Sales data (National, Regional, Wholesale, and/or Retail) b. Supplier survey
XVI	Med	Majority of suppliers carry HPWs	a. 90% of major suppliers have HPW qualified products available	a. Supplier availability	a. Web search b. Supplier survey
XVII	Med	HPW offered in 'builder' lines	a. 50% of major window manufacturers include HPW window option across all product lines	a. Product availability	a. Supplier survey b. Builder survey
XVIII	Med	ENERGY STAR 8.0 adopted (.20 or lower)	a. E* V8.0 Adopted	a. E* V8.0 U value	a. E* V8.0 spec
XIX	Long	HPW are standard practice in new construction in Northern zone	a. 75% of builders agree HPW is standard practice	a. Builder rate of acceptance	a. Builder survey
XX	Long	HPWs are preferred option for existing building retrofits	a. 75% of TAs agree HPW is standard practice for retrofits	a. Builder rate of acceptance	a. Builder survey
XXI	Long	Market Share of ENERGY STAR 8.0 windows grows	a. Year-over-year increase in E* V 8.0 market share	a. E* V8.0 market share	a. E* shipment data report
XXII	Long	ESME spec to .16 or lower	a. ESME Spec reduced to U-0.16 or less	a. ESME U factor	a. ESME Windows spec
XXIII	Long	Illinois Stretch Codes include an option for <=0.20 Windows	a. U<= 0.20 Illinois Stretch Code requirements	a. Illinois building stretch code window requirements	a. Illinois building code.