Measure Cost Data Sources – Primary

**Add comments here (specific examples, experience, limitations, etc.)**

**Add/remove applicable measure types**

**Add other data source types**

**Add other Pros/Cons.**

| Data Source | Pros/Cons | Applicable End Uses / Measure Groups | Comments |
| --- | --- | --- | --- |
| Retailer – Point of sale (POS) data | 🖒 Includes product features 🖒 Large samples 🖒 Includes sales volumes🖒 Actual prices paid🖓 Data purchase/collection costs🖓 No installation costs🖓 Data requirements and data processing | AppliancesElectronicsRoom AC |  |
| Retailer – Online/prices lists | 🖒 Can include product features 🖒 Cost efficient🖓 No installation costs🖓 List prices do not reflect actual prices paid🖓 No sales volume | AppliancesElectronicsRoom ACLighting, Res  |  |
| Retailer – Shelf surveys | 🖒 Includes product features 🖓 Data collection requires time and field teams🖓 No sales volume | AppliancesElectronicsRoom ACLighting, Res | Need to sample stores across retailer types and geographic locations |
| Distributor price lists | 🖒 Can include product features🖓 Barriers to obtaining data w/out existing relationships w/ equipment distributors🖓 No installation costs🖓 List prices do not reflect actual prices paid🖓 No sales volume | HVAC, ResHVAC, NonresWater Heating, ResWater Heating, NonresLighting, NonresFood service |  |
| Mfr cut sheets | 🖒 Can include product features🖓 No installation costs🖓 List prices do not reflect actual prices paid🖓 No sales volume | HVAC, ResHVAC, NonresWater Heating, ResWater Heating, NonresLighting, Nonres |  |
| Contractors | 🖒 Can include installation costs🖒 Can provide estimates of mark-ups/discounts🖓 Small sample sizes, not random sample | HVAC MaintenanceHVAC, Res |  |
| DI Program Contractors | 🖓 Small sample sizes, not random sample | Water Heating Distribution (showerheads, flow restrictors) |  |
| Custom/Built-up Cost | 🖓 🖒 Requires industry expertise🖓 No sales volume | Commercial RefrigerationMotors |  |
| Market actor interviews | 🖓 Self-report bias | Various | Resource for current market conditions and emergent market trendsResource to validate estimates, benchmarking |
| Add primary data source |  |  |  |
| Add primary data source |  |  |  |
| Add primary data source |  |  |  |
| Add primary data source |  |  |  |

Measure Cost Data Sources - Secondary

**Add comments here (specific examples, experience, limitations, etc.)**

**Add/remove applicable measure types**

**Add other Pros/Cons.**

**Add other data source types**

| Data Source | Pros/Cons | Applicable End Uses / Measure Groups | Comments |
| --- | --- | --- | --- |
| AHRI Directory | 🖒 Can include product features🖓 No installation costs🖓 No equipment prices 🖓 No sales volume | HVAC, ResHVAC, NonresWater Heating, ResWater Heating, NonresHeat Pump Pool HeatersVariable Frequency DrivesIce Makers and Ice Storage, Nonres |  |
| AutoQuotes | 🖒 Can include product features🖒 Cost efficient🖓 List prices do not reflect actual prices paid🖓 No sales volume | Food Service |  |
| CEC MAEDbS | 🖒 Can include product features🖓 No installation costs🖓 No equipment prices 🖓 No sales volume | HVAC, ResHVAC, NonresWater Heating, ResWater Heating, Nonres |  |
| EIA Buildings Sector Appliance & Equipment Costs and Efficiency | 🖒 Includes equipment cost, installed cost, ongoing O&M🖓 Not CA specific🖓 Lag between analysis and report so reported costs and reporting of market trends not current🖓 Not transparent | AppliancesCookingHVAC, ResHVAC, NonresWater Heating, ResWater Heating, Nonres | Could serve as source to validate estimated costs |
| RSMeans | 🖒 Updated annually🖒 Geographic region indexes🖓 Must purchase or have subscription | Multiple | Resource to estimate installation labor costs, infrastructure costs for fuel substitution measures |
| U.S. DOE TSD | 🖓 Not updated unless federal standard updated | Select end uses covered by federal standard rulemaking |  |
| Add secondary source |  |  |  |
| Add secondary source |  |  |  |
| Add secondary source |  |  |  |

References

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