Climate Solutions Now Act Building Energy Performance Standard

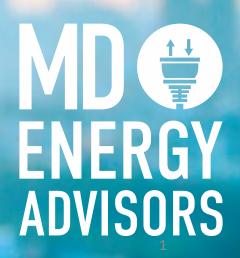
Benchmarking and First Steps

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NAIOP MD Webinar

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MD Energy Advisors - Services

Energy Procurement	Utility Rebate Support			
Energy Auditing	PACE Financing			
Benchmarking / BEPS Support	Construction/Project Management			
Electric Vehicle Chargers	Measurement and Verification			

Where are we as of today?



- The regulations are not finalized, but there will be penalties for non-compliance
- Eventually their will be a cost for not achieving goals starting in 2030
- All building to eliminate fossil fuel use by 2040
- There will be another opportunity to submit comments when the proposed regulation is published in the Maryland Register in the fall of this year.

What are Maryland Requirements?

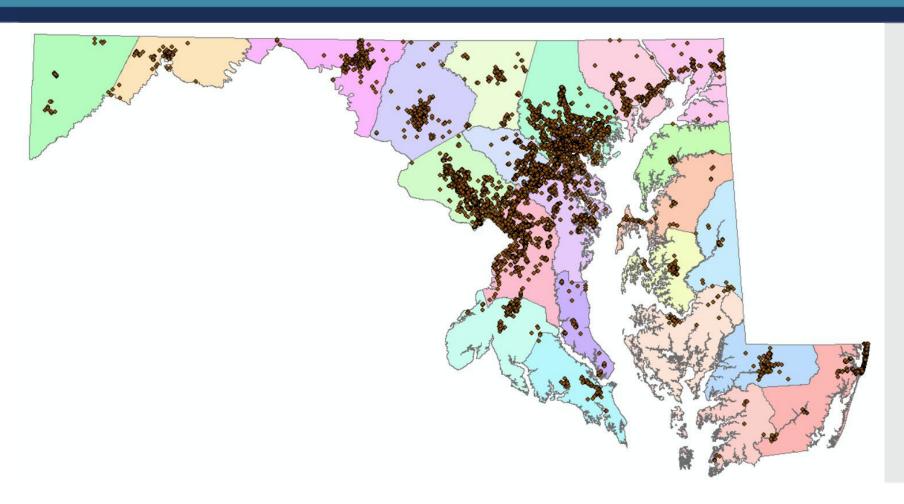
- All covered buildings that have a gross floor area of 35,000 square feet or more excluding the parking garage area
- Must benchmark using Portfolio Manager
- First reporting year is 2024 data reported in 2025







Every County has property that is covered



- Every State legislative district
- You have a voice in this



"You can't manage what you don't measure" Peter Drucker





What is benchmarking?

- Measure 0-100
- Compare to similar building types
- Establish a reference performance level
- Develop Action Plan



Establish a Baseline and Compare

Use Portfolio Manager to:	Energy	Water	Waste & Materials	
Establish a baseline:	✓	✓	✓	
Compare current use to baseline over time.	✓	✓	✓	
 Compare median of national sample of similar buildings to baseline. 	✓			
 Compare normalized national sample of similar buildings to baseline. 	(ENERGY STAR 1-100 Score)	(Multifamily 1-100 Score)		
Set target reduction goal.	✓			
Compare properties in portfolio to each other.	✓	✓	✓	
Apply for recognition (eligible space types).	(ENERGY STAR Certification)			

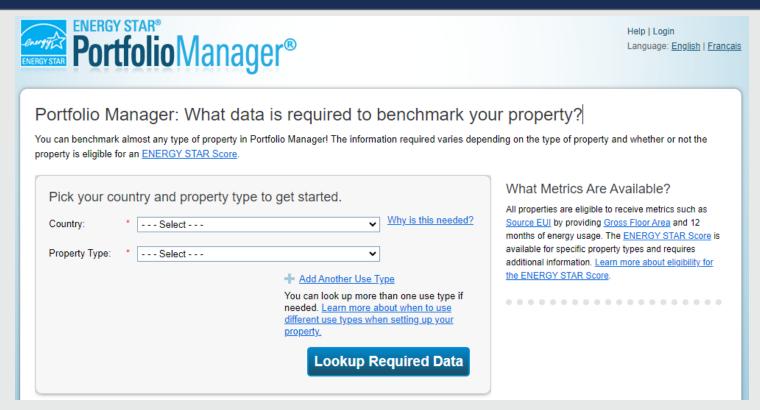
What Information do I need to provide?

Data Collected

- Property Name and address
- Total Gross Floor Area of Property
- Irrigated Area
- Year Built
- Occupancy
- Number of Buildings
- 12 consecutive months of energy data



How do I get started?



https://www.energystar.gov/buildings/benchmark/get_started

Tools are available



Portfolio Manager - What data is required?

In order for Portfolio Manager to calculate metrics about your property, you must provide several key pieces of information about your property's operation, in addition to your energy, water or waste data. The information required varies by the type of property and whether or not your property is eligible for an <u>ENERGY STAR Score</u>.

Custom forms for most building types



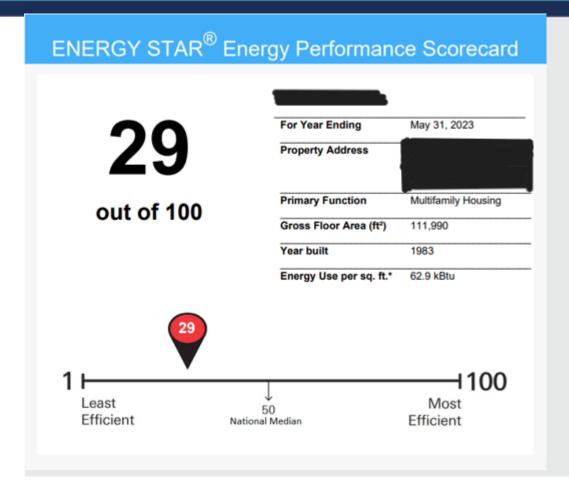
Collect your data

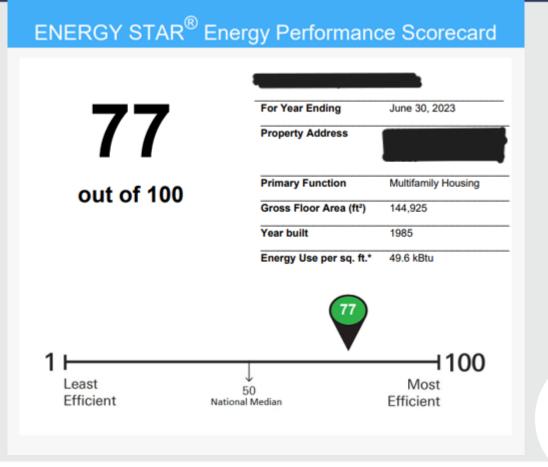
Name	Address	City	State	Zip code	Current Reported Score	Gross Square Footage	Parking Lot Area	Retail Sqft.	Resturant Sqft	Unconditioned area	Workers on Main Shift*	Number of Computers
Building A	123 Fake St	Flinstone	MD	21530	64	121,764	68,850	0	1236	500	1000	1500
Building X	124 Fake St	Flinstone	MD	21530	<u>69</u>	60,497	29,484	25000	10000	800	200	150
Building B	125 Fake St	Flinstone	MD	21530	<u>47</u>	94,900	26,146	0	0	C	345	345
Building Z	126 Fake St	Flinstone	MD	21530	<u>31</u>	106,660	26,146	1000	0	C	452	452

Use Energy Star Portfolio Manage to get a Score or your energy use intensity (EUI)

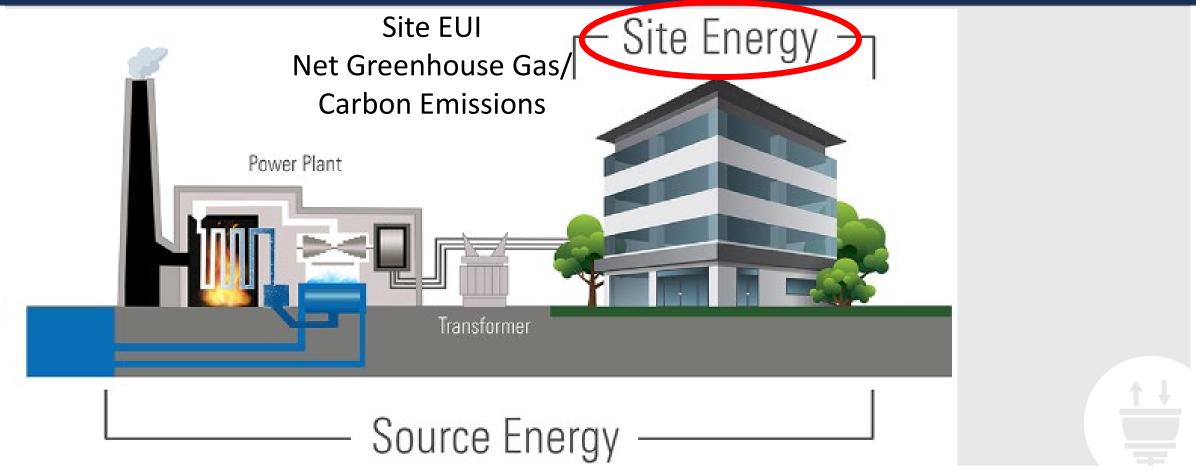
(EUI) is how much energy your building use per square foot.

Get Your Results





Site vs Source Energy



My Facility has been Benchmarked, what are my next steps?

 Check Data for errors, changes, and inaccuracies

- Regularly Update Data
- Share your Facility with the state Benchmarking Authority, when required





No cost tools at your disposal

- Develop new lease standards for efficiency
- Build into the rules but work with tenants on energy data
- Understand what you can do within you existing budget

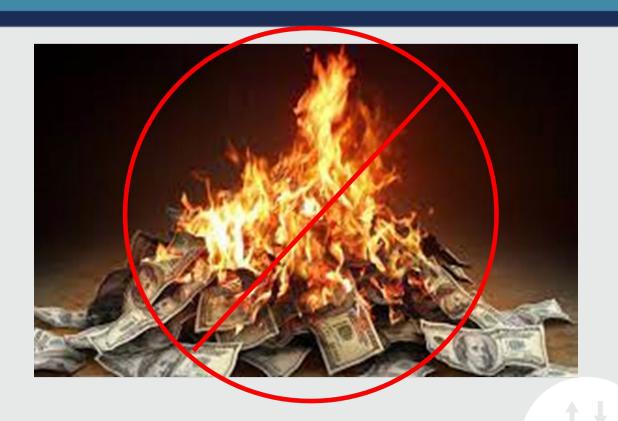






Why would I do this?

- Capital planning
- Budgets
- Building Value
- Compare properties
- Leasing
- ESG reporting
- Investor/Tenant data requests



How can I use this information?

- Maintenance/equipment replacement decisions
- Long term goals
- Facility/maintenance engineer performance
- Property disposition decisions



No and low-cost Warehouse/Office/Multifamily

- Replace incandescent and fluorescent fixture and bulbs
- Faucet/shower aerators use less water and energy
- Temperature set points neither too high or low
- Replace filters
- Programable thermostats
- HVAC System operating hours should match lease/operating hours*





What do I do today?

- Start now
- Allows for long term planning now
- Start Saving operational costs (Increase your NOI)
- You can help drive new regulations
- Comment! Comment! Comment!

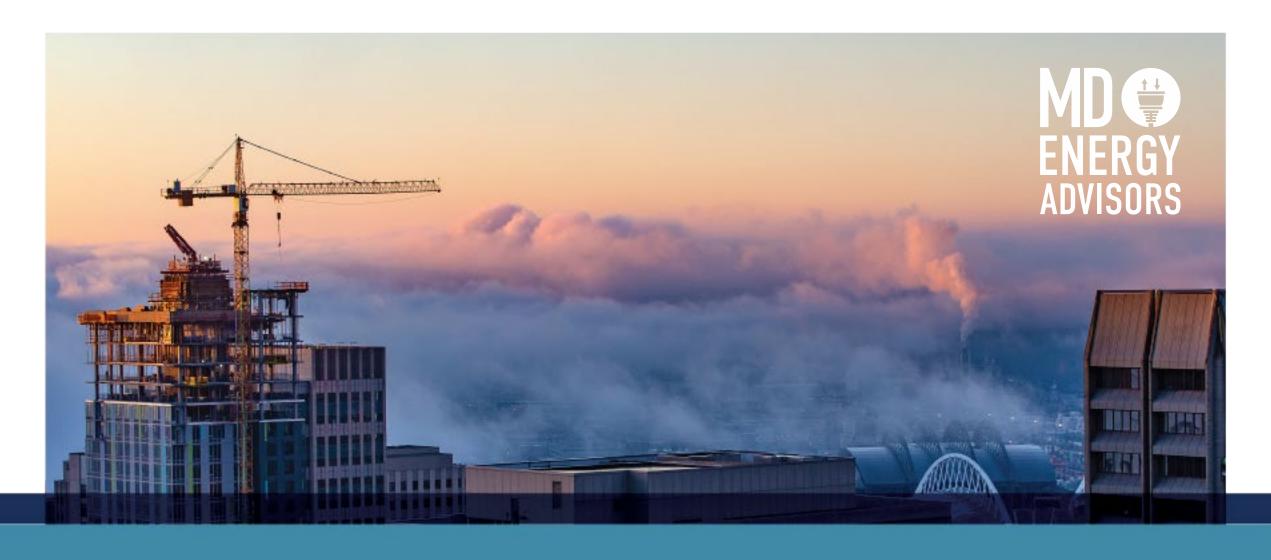


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https://mde.maryland.gov/programs/air/ClimateChange/Pages/BEPS.aspx

Free outside resources

- DOE Better Buildings
 https://betterbuildingssolutioncenter.energy.gov
- DSIRE the Database of State Incentives for Renewables & Efficiency
 - https://nccleantech.ncsu.edu/renewable-energy-resources/dsire/
- Institute for Market Transformation https://www.imt.org



Thank you.

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