

From: [Charles County Government](#)
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Subject: *NEW SUBMISSION* CDBG Recovery Housing Program
Date: Wednesday, September 13, 2023 2:09:03 PM

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CDBG Recovery Housing Program

Submission #: 2697833
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Public Hearing Comment Form

Questions or More Information (301) 645-0555

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Are you:

Against Topic

Comment

This is to confirm my opposition to Charles County Commissioners 2024 Preliminary Legislative Package and specifically item number 6. "A Proposal to Impose air conditioning requirements for residential rental properties". Background Cooling comfort is determined by Temperature and humidity and not temperature alone. -That is why in drier climates (Less humid, such as Arizona) higher temperatures are much better tolerated by human beings. -An air conditioning system properly sized and designed will both cool the temperature and reduces humidity in the space to desired Humidity levels, usually at or below 50% (which is a healthy range according to Mayo clinic). -The AC system takes out humidity, converts it into condensation and drips it outside. If an AC system is too large for the

space, it will quickly satisfy the desired temperature and shut down. As result of this not enough humidity is removed. This high humidity condition even though the temperature may be at a desired level leads to discomfort for the occupants, as well as unhealthy conditions such as MOLD growth. Energy Efficiency and Climate Change - Energy Efficiency and most codes require that an AC system be sized and designed to cool the space to substantially 75 degrees and a relative humidity of around less than 50%. -Most and best efficient brand new AC units can only bring the temperature differential down by 20 degrees, but will continue working to reduce the relative humidity. For example a temperature of 78 degreeed F and a humidity of 35% is more comfortable (and will prevent growth of MOLD, hence healthier) to the majority of the people (Especially our seniors) than a temperature of 70 degrees and a humidity of 75%. -An Ac unit must be sized up by a considerable factor to achieve a 70 degree temperature as opposed to 80 degrees (as approved by Montgomery County), leading to a much higher costs of retrofit/installation, higher energy costs which will lead to higher Rents and health risks.

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Thank you,
Charles County, MD

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