

DOCKETED	
Docket Number:	23-ERDD-01
Project Title:	Electric Program Investment Charge (EPIC)
TN #:	254497
Document Title:	Windjuicer Inc Comments - On-site building energy production enhanced with building fin and chamber attachments
Description:	N/A
Filer:	System
Organization:	Windjuicer Inc
Submitter Role:	Applicant
Submission Date:	2/15/2024 4:04:17 PM
Docketed Date:	2/15/2024

Comment Received From: Windjuicer Inc
Submitted On: 2/15/2024
Docket Number: 23-ERDD-01

On-site building energy production enhanced with building fin and chamber attachments

We are a group of technology investigators that are in the process of developing wind capture building attachments. Our early Ansys fluid dynamics simulation modeling investigations have demonstrated an extraordinary potential benefit can be derived from teaming the inherent capture and acceleration proclivity of multistory buildings with enclosed wind turbines. Large obstructions such as a building can capture and redirect a large volume of energetic wind. The strategic use of fins and capture chambers can be used to direct, and accelerate ambient winds and funnel them through a battery of wind turbans. Wind acceleration results in an exponential increase in the resultant converted energy. The building attached and cloaked turbans become visually and audibly undetectable. Screening protects birds. Turbines don't have to gimbal and are thus more robust and longer lasting. On-site building energy production eliminates power line costs and energy loss.

A recent NREL report (11/22/19), "Assessing the Future of Distributed Wind"). disclosed a vast new resource for carbon-free power that lies fallow yet with the potential to generate 4,400 TWh/year of power. This vast untapped resource is what they term, "Distributed Wind"; by which they mean on-site generated wind power.