

RECENT NEWS

Apple, the world's largest technology company by revenue, wants to ship more iconic products by sea to reduce carbon emissions. "Apple's carbon footprint methodology shows that shipping the same product by ocean emits 95% fewer emissions than by air." Apple's vast supply chain comprises over 400 facilities across 180 regions in nearly 30 countries, stretching from the Austrian Alps to Vietnam's Mekong Delta. Apple aims to make every product carbon neutral by the end of the decade, including the entire global supply chain and the lifetime use of every device Apple makes. The company says it is "committed to supporting broader efforts to decarbonize shipping industries", such as by being a member of the First Movers Coalition.

OUR COMMITMENT

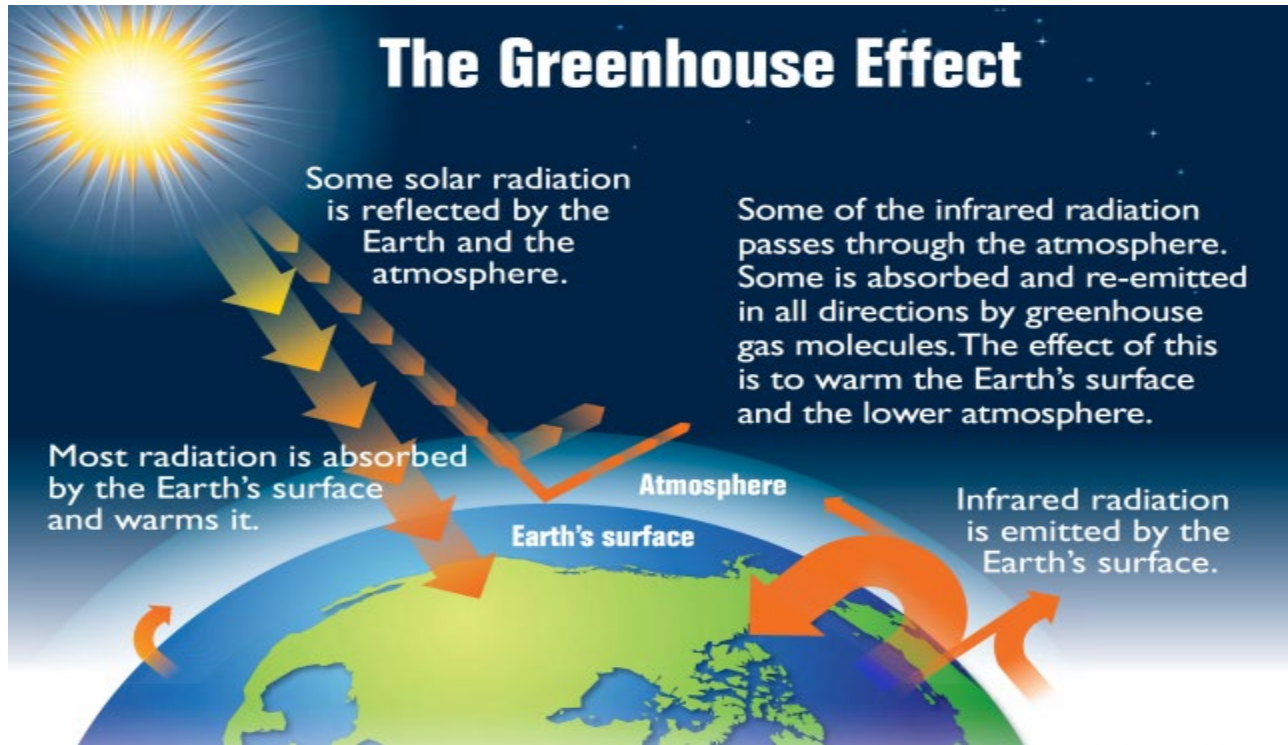
Today, corporate sustainability is more than just a buzzword; it is a strategic imperative. In today's world, where environmental and social issues are paramount, businesses must embrace sustainable practices to thrive. Our company is committed to this cause. At TASI – Measurement, a Berwind Corporation company, we believe that our business practices should demonstrate responsible global citizenship by taking into consideration the impact of our operations on the environment in which we work. In this vein, I am pleased to announce our commitment to becoming a more sustainable company. Our sustainability initiatives will track fuel and gas consumption, electricity draw, recycling, landfill disposal, water consumption, electronic waste disposal, hazardous waste disposal, employee commuting miles, supply chain emissions, business travel (air), and refrigerant losses. We will issue monthly sustainability newsletters to raise awareness of critical environmental, social, and special issues, including our carbon footprint.

What is a carbon footprint?

A carbon footprint is the total greenhouse gas (GHG) emissions caused directly and indirectly by an individual, organization, event, or product. When sunlight strikes the earth's surface, some radiates back toward space as infrared radiation (heat). Greenhouse gases absorb this infrared radiation and trap its heat in the atmosphere, creating a greenhouse effect that results in global warming and climate change. The primary greenhouse gases that result from human activity are included in U.S. and international estimates of greenhouse gas emissions: Carbon dioxide (CO₂), Methane (CH₄), Nitrous oxide (N₂O), Industrial gases, Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), Sulfur hexafluoride (SF₆), Nitrogen trifluoride (NF₃).

To calculate a carbon footprint, specific emissions factors are applied for individual processes and are specific to what region of the world you live in. For example, consuming 1-kilowatt hour (kWh) of electricity in California, whose power grid has a more significant portion of renewable energy, emits fewer emissions than the same energy in Indiana, whose electricity providers rely heavily on fossil fuels, which emit copious quantities of greenhouse gases.

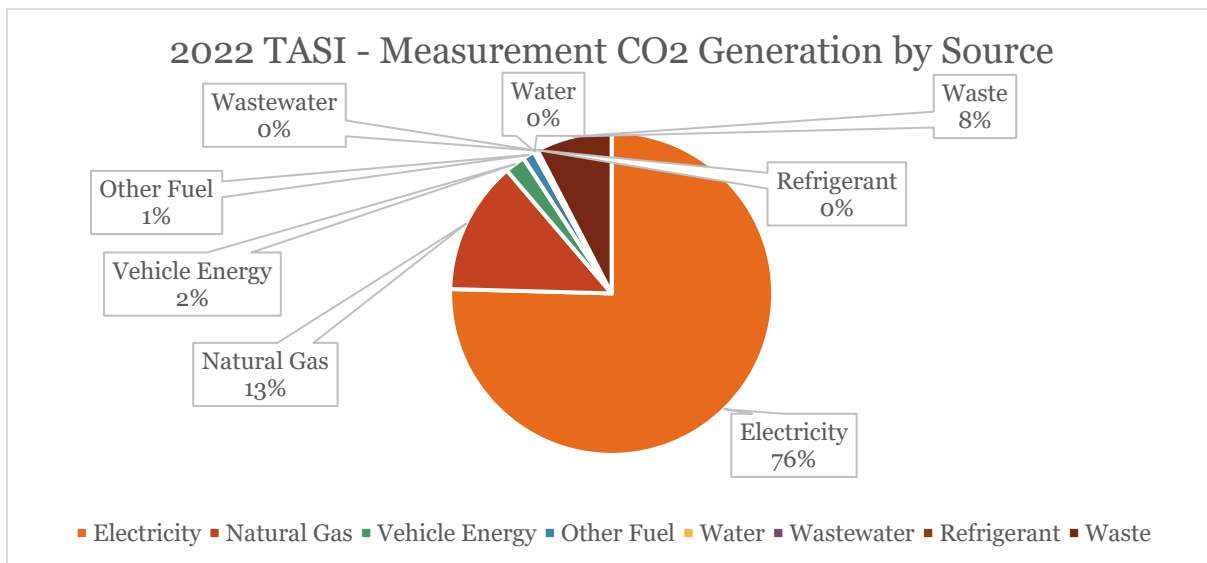
In 2021, the United States estimated its carbon footprint to be 6,340 (6.34e9) Million Metric Tons of CO₂ equivalent (excludes land sector). Carbon footprints are typically represented in CO₂ equivalencies because they represent the most abundant GHG in our atmosphere. The USA's emissions are the equivalent of 713 billion gallons of gasoline consumed, 2 billion tons of waste recycled instead of landfilled, and the equivalent of carbon sequestered by 7.5 billion acres of US forests for one year.



TASI MEASUREMENT'S CARBON FOOTPRINT (2022)

Year	Scope 1	Scope 2	Emissions from Waste and Water	TOTAL
2022	634.91	2890.91	298.58	3823.4 MT CO ₂ eq

- Scope 1: Direct GHG emissions from fixed or mobile installations controlled by the company.
- Scope 2: Indirect emissions associated with the production of electricity, heat, or steam imported for the organization.
- Scope 3: Indirect emissions that occur in the value chain of the reporting company, including upstream and downstream emissions.





FINAL THOUGHTS

In conclusion, corporate sustainability is not just a choice; it's an opportunity and our responsibility. It's a path towards a greener, more equitable, and prosperous future. Thank you for being so committed to sustainability and understanding that it's not just about being environmentally friendly but also securing our business's long-term success and positively impacting society. Remember that sustainability is a journey, so let us continue to innovate, collaborate, and drive positive change because we can build a better world for generations to come. Thank you.

If you are interested in learning more or have thoughts about how we could be doing better, please get in touch with me.

All responses will be kept confidential.

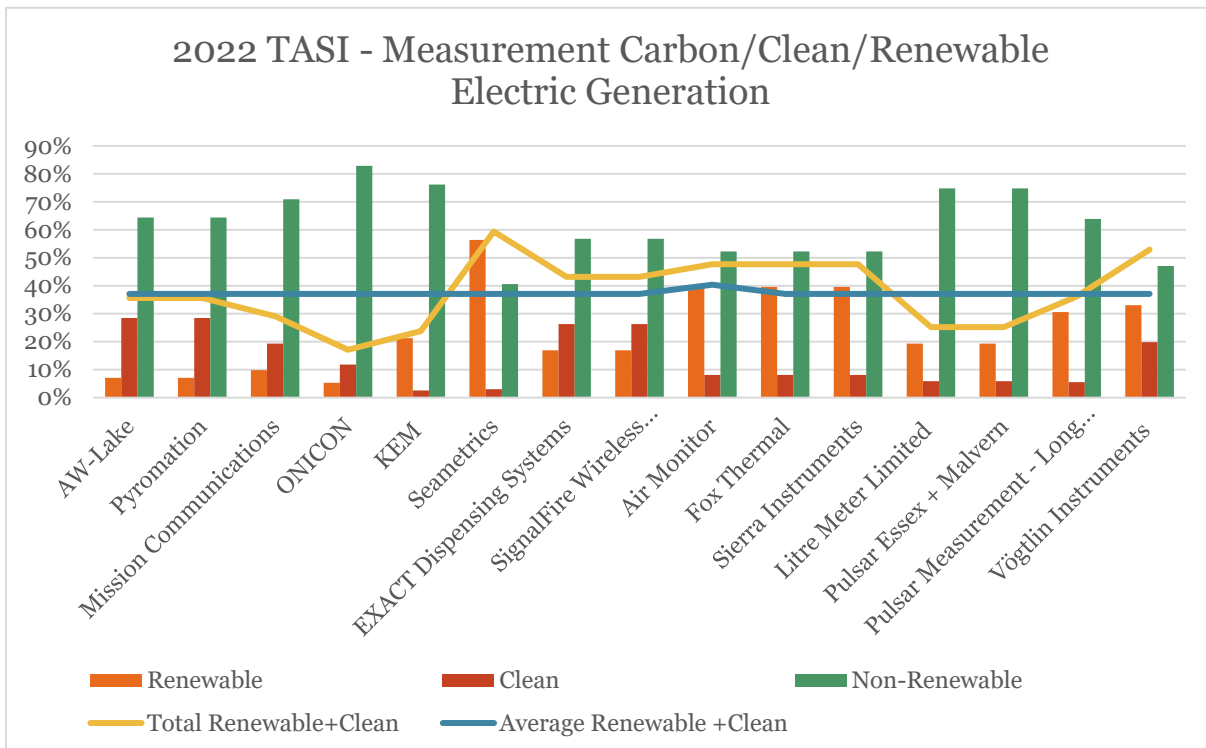
Contact

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I prefer to be contacted via e-mail; however, I am also available by call/text

NEXT ISSUE: WHAT IS SUSTAINABILITY?



*Domestic Carbon/Clean/Renewable electricity breakdown is based on EPA's Power Profiler tool.

**International Carbon/Clean/Renewable electricity breakdown is based on ourworldindata.org's Energy Mix tool.

***Data is a reflection of power grid averages, not renewable energy purchases.