

“Rough Cut” IMPLEMENTATION **ASSESSMENT**

Waupaca's CO₂ emission (3 x 10⁵ TPY)

vs

President's targeted CO₂ emission (3 x 10⁹ TPY) ⁽¹⁾

- * **Waupaca's emission = President's target x 0.0001.**
- * **300 K TPY is sufficient to supply a 24/7 supplement of 800 ppm CO₂ to a 5,000 m³ hydroponic “grow-box”:
5m x 10m x 100m.**
This 0.06% supplement would ensure the system a reliable 0.09% CO₂ hyper-concentration.
- * **What local market-demands could be served by a 5,000 m³ grow-box?**
- * **There are > 3,000 counties in the USA**
- * **Consider the merits of local county policies that accrue 10,000 market-driven grow-box operations.**

⁽¹⁾ The Nation's Health, September, 2013. Pages 1 & 12

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Cost / benefit variables

- * ***Waupaca County's average tax levy:***

\$ 25 Million / year

- * ***Waupaca County's Cost of Life
Lost to HAP induced blood cancer:***

\$ 25 - \$ 57 Million / year

- * ***Foundry's recent stack modification:***

< \$ 45 Million

- * ***AER economic benefits to county:***

Innovative agriculture

Novel biotechnology

11/4: Pass request to board

12/2: Agenda item for board discussion

1/8: Agenda item for board vote / referral to Supervisor Johnson

2/21: Johnson intro's policy county' board

10/25: Policy addressed in 2015 county budget