



APLENTY

The Low-Capital Route to Securing the Future of Covered Crops

For modern greenhouse growers, navigating the current energy landscape feels a bit like walking a tightrope. On one hand, there is undeniable commercial and regulatory pressure to transition away from traditional fossil fuels such as natural gas and coal. On the other hand, the sheer capital expenditure required to purchase and install high-tech, low-emission biomass systems can be paralyzing. When margins are tight, tying up millions in capital just to keep the lights on—and the crops warm—is a massive risk.

Worse still, traditional decarbonisation solutions often solve only half the equation. Switching to a standard biomass boiler might fix your heating needs, but it leaves a critical void: **Where do you get your clean CO₂?** If you have to resort to buying liquid CO₂ to keep your yields high, growers are simply trading one volatile, expensive dependency for another.

Recognising this dilemma, Aplenty is introducing a game-changing alternative for the commercial growing sector: **Heat + CO₂-as-a-Service**.

Energy and Yield Certainty—Without the Capital Burden

Aplenty's service model greatly reduces the financial impediments to changing your fuel supply. Instead of requiring growers to fund, install, and maintain complex biomass gasification equipment, Aplenty takes on the entire ownership and operational burden.

Under the "As-a-Service" framework, Aplenty designs, builds, and operates its advanced Baseload Heat and CO₂ (BHC) systems on your site. You don't buy the machines; you simply buy the outputs they produce.

This model delivers three critical advantages to commercial growers:

- **Low Upfront Capital Expenditure:** While some site works may be required, growers can largely keep their capital where it belongs—investing in expanding greenhouse acreage, upgrading automation, or improving crop genetics. Decarbonisation becomes an operating expense, not a balance-sheet constraint.
- **Cost and Supply Certainty:** Energy and CO₂ markets are notoriously volatile. Aplenty provides long-term cost predictability with structured, reliable pricing. You will know exactly what your input costs are, allowing for precise seasonal budgeting.
- **Dual-Benefit Efficiency:** Unlike standard biomass boilers that vent their exhaust, Aplenty's technology is engineered to capture and ultra-purify the flue gases. This delivers high-grade, clean CO₂ directly back to your plants alongside baseload heat, optimising crop yield both safely and sustainably.

Focus on Growing, Let Aplenty Handle the Infrastructure

The transition to sustainable energy shouldn't require you to become an energy utility manager. Operating gasifiers, managing wood chip supply chains, and monitoring gas purity require specialised technical expertise.

With Heat + CO₂-as-a-Service, Aplenty handles the technical heavy lifting. From sourcing the ideal biomass fuel size to managing the day-to-day operations and maintenance of the BHC units, the system is fully managed by experts. You receive a seamless, continuous stream of

heat and clean CO₂, leaving your team free to focus entirely on what they do best: optimising crop health and driving production.

A Proven Framework for the Future

The future of commercial growing belongs to those who can decouple their production from fossil fuels without compromising on yield. With Letter of Intent agreements already rolling out among major New Zealand growers, the industry is quickly realising that the old way of heating is no longer commercially viable.

Don't let punitive capital costs delay your business's transition. Partner with Aplenty to secure your energy future, lock in your operational costs, and boost your sustainability profile—all while keeping your capital working for your core business.

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