

”Critical Mass”

CLEAN Cowra Inc perspective

Regional Responses Conference_ University of Newcastle
November, 2014



C.L.E.A.N (Cowra) Inc.
Cowra Low Emissions Action Network



profile

Cowra Low Emissions Action Network
advocating for local, community- owned, decentralised renewable energy



COWRA LEP 2012 map



C.L.E.A.N (Cowra) Inc.
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Aggregated, Decentralised, Community- Based

Biomass

Off- Grid option

Localised generation

_Aggregated

Available Regional Resources_ Biomass audit from agricultural, industry, council and community processes.

Establish quantities and quality of the feedstocks.

Heterogeneity of feedstock_ value of co-digestion

Establish value of bi-products. eg. Fertilisers / glycerine/



**COWRA ENERGY
POTENTIAL**



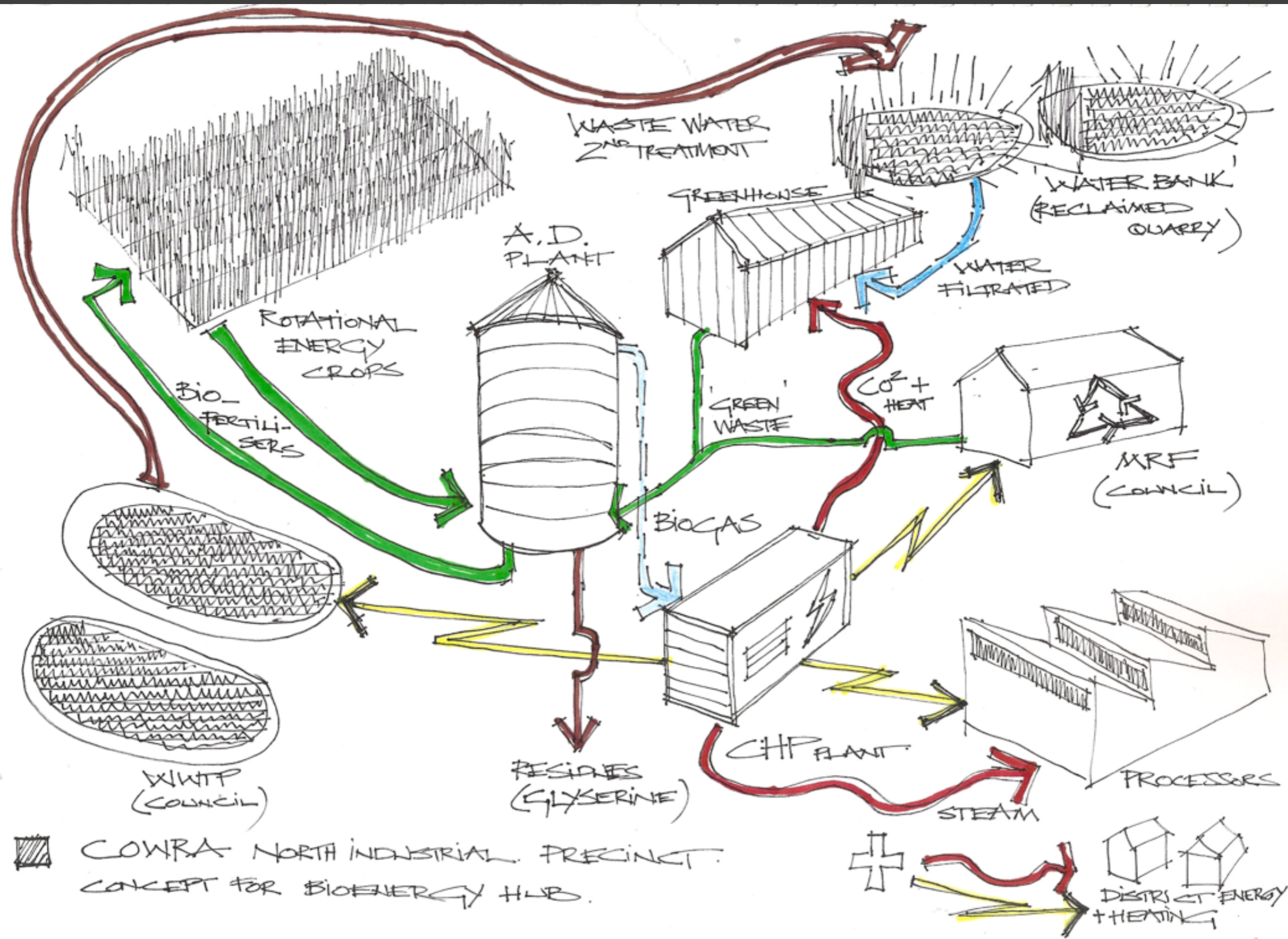
C.L.E.A.N (Cowra) Inc.
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_Decentralised

Systems Efficiency and Aggregated solutions.

Establish returns on local (Distributed) energy generation.

Availability and Scalability of technology



COWRA ENERGY HUB
concept

_Community

Complex Inter-relationship between Stakeholders

Community engagement process.

Establishment and Governance of Entity
for Community involvement.





Circular Economy

Industrial ecology

Sustainability Advantage program

> Concept for Regional Decentralised Energy and Commodity Production

Way Forward _

Establish Roadmap and Methodology for Project development.

Scalability of Technology_ appropriate selection.

Opportunities within existing farming systems_ crop trial.

Business Case and Feasibility model.



bio-necessity

"Bioenergy is a rural and regional solution"

Stephen Shuck Bioenergy Australia