





# State Board of Higher Education

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Wesley Wintch – VP for Business Affairs



**VCSU has been exploring the possibility of developing a revenue stream from activated carbons for a decade.**



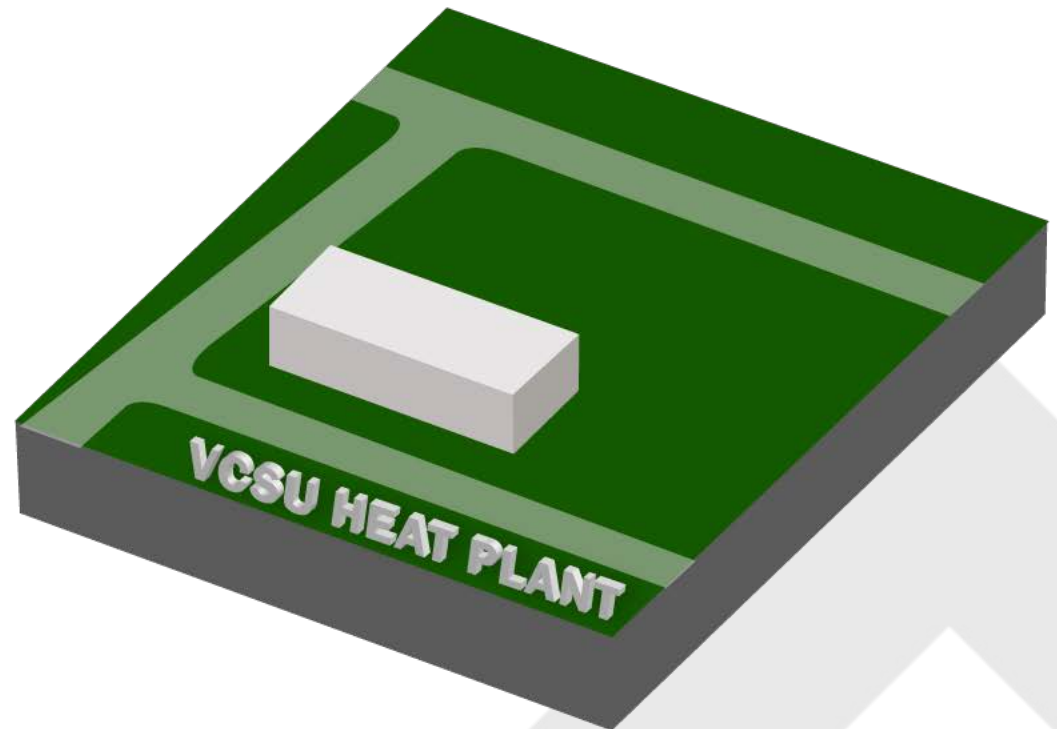
# What are activated carbons?



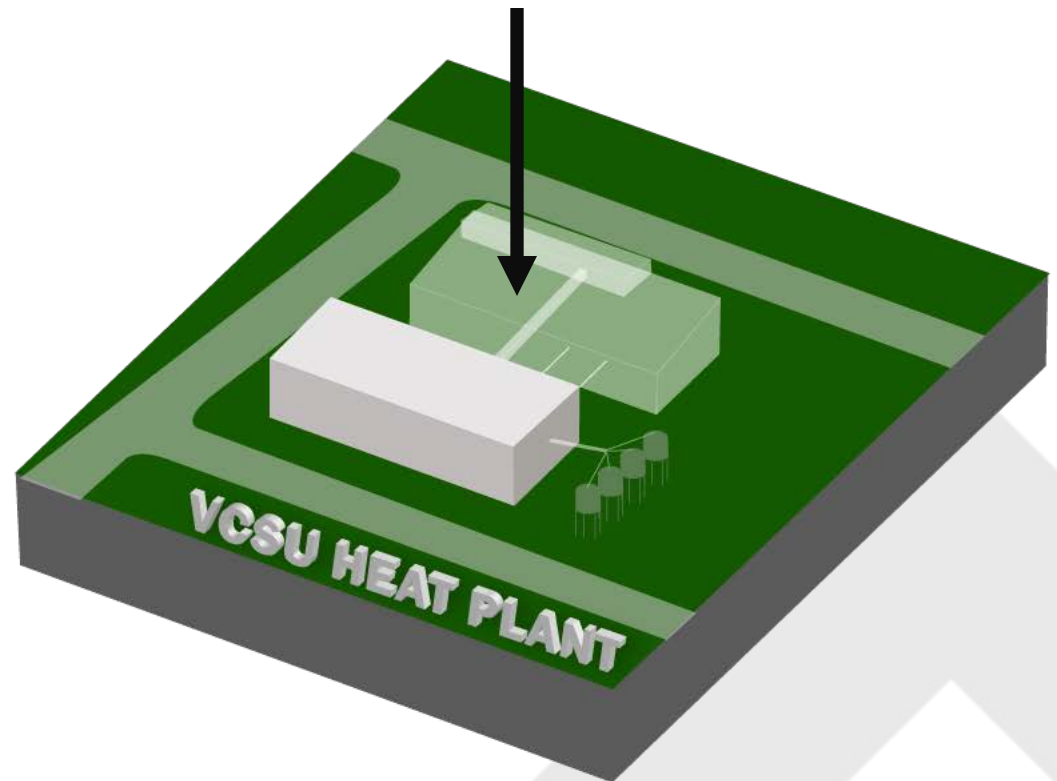
# What are activated carbons?



The 2015 ND legislative council authorized funding of a new Heat Plant. Plant replaced the old plant at VCSU, ensuring a long-term stable and economic heating source.



The system was designed and built to include an activated carbon system.



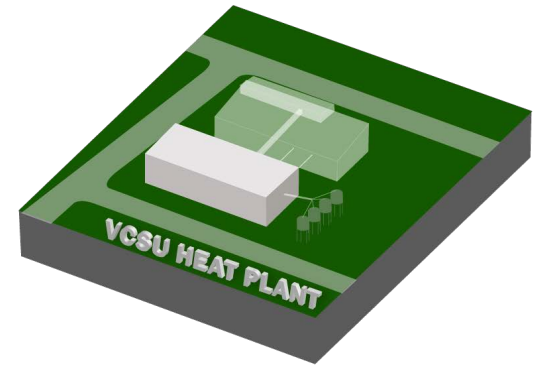


## ✓ **Business Plan**

- This is economically feasible
- Profit of \$400,000 in first year

## ✓ **Engineering Feasibility Study**

- The idea and would, operationally, work




**Must be built with self-liquidating  
revenue bonds**






# Completed Steps

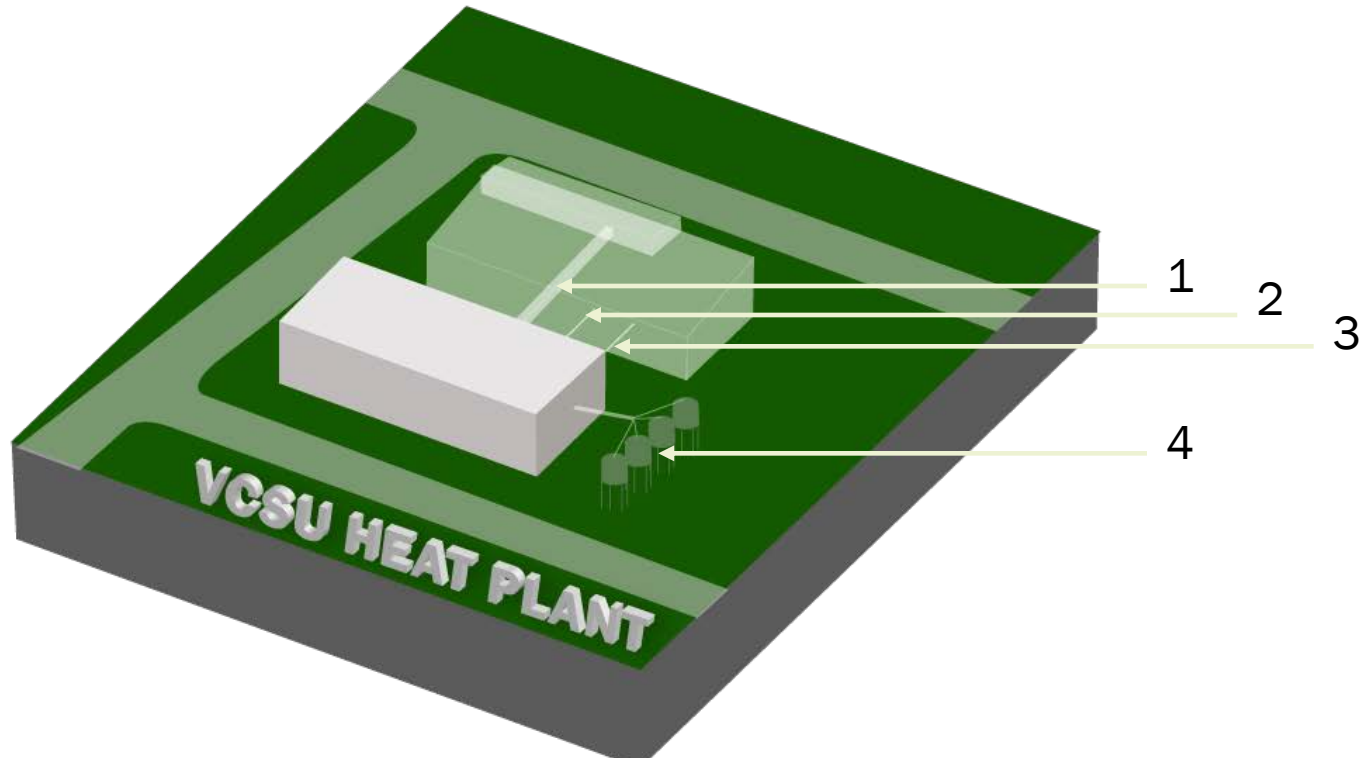
- ✓ Business Plan
  - ✓ Feasibility Study
  - ✓ Architect selected
  - ✓ Engineer selected
    - ✓ Engineering feasibility study completed
  - ✓ General Construction Company selected
  - ✓ Financial advisor to assist with sale of bonds selected
- 





# Next Steps

- \_ Format the business plan for potential investors
  - \_ Write executive summary of the engineering feasibility study
  - \_ Legal structure in place
  - \_ Customer development and timing
- 



## Activated Carbon Plant Components

1. Coal Conveyor
2. Steam Line
3. Process volatile  
(waste/syngas) line
4. Activated carbon storage

# Questions

