

# MONASH INDUSTRY TEAM INITIATIVE (MITI) 2016-2017

## Fonterra Dennington Energy Study

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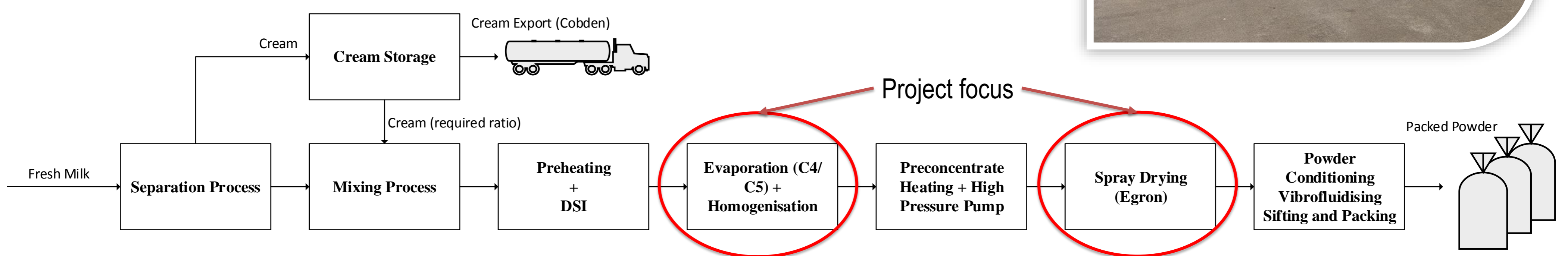
### PROJECT SCOPE

#### PROBLEM STATEMENT

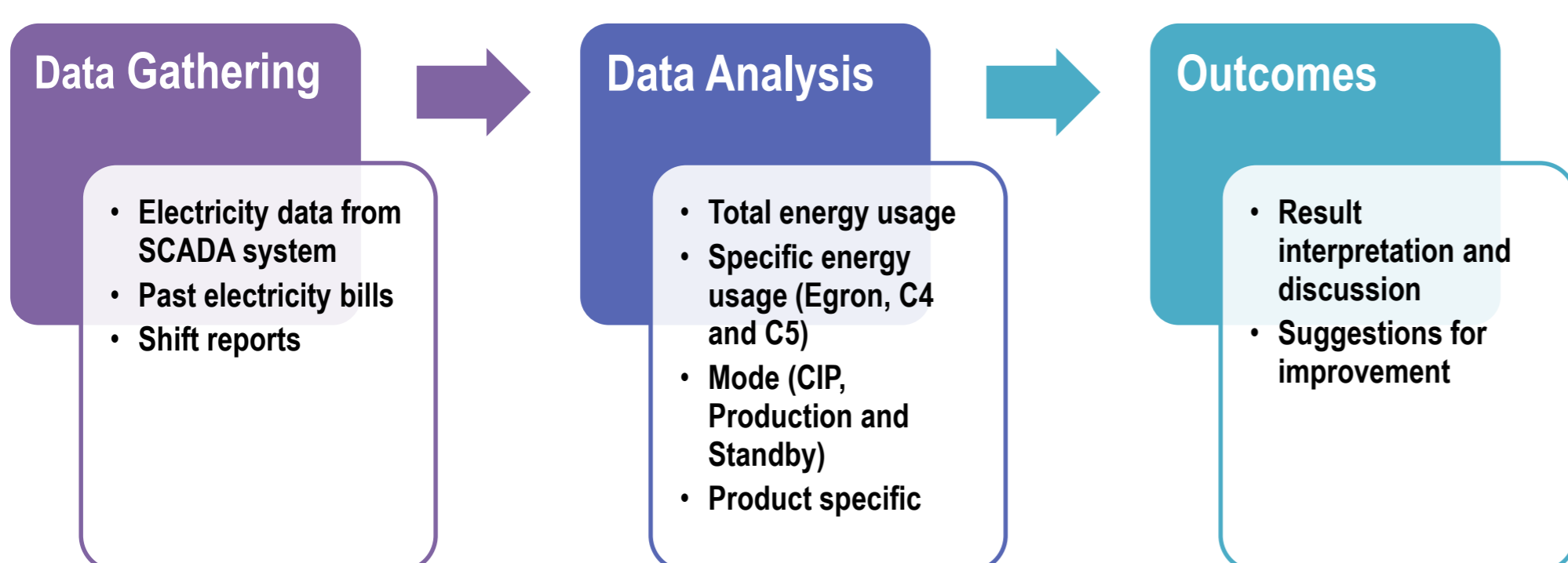
The Fonterra Dennington Milk Powder Production facility has been found to consume a considerable amount of energy per tonne of product. Why? Was this operational or spray dryer related?

#### PROJECT AIM

- To conduct an energy (power usage) study on the process at Fonterra Dennington milk powder production site
- To identify energy-intensive operations and suggest recommendations as to how the site can reduce its overall energy usage (per tonne of product)

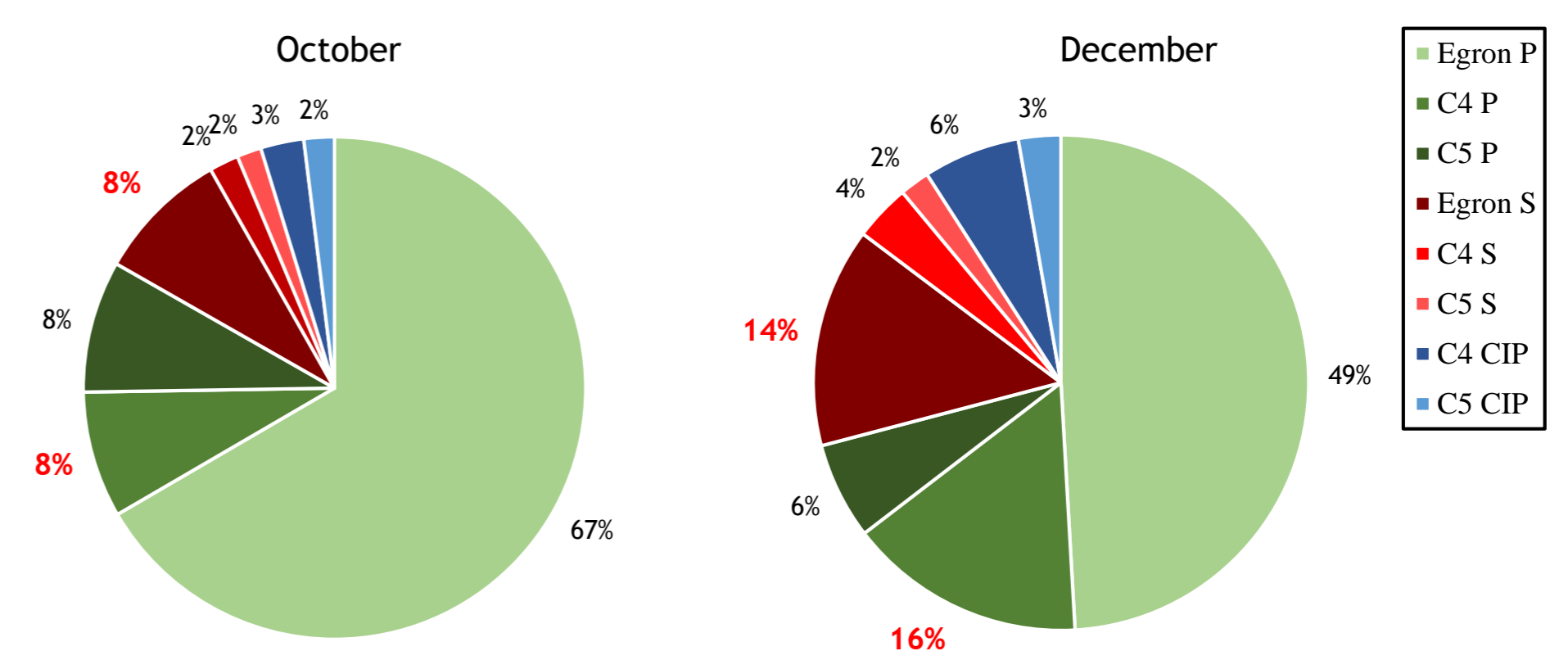


### METHODOLOGY

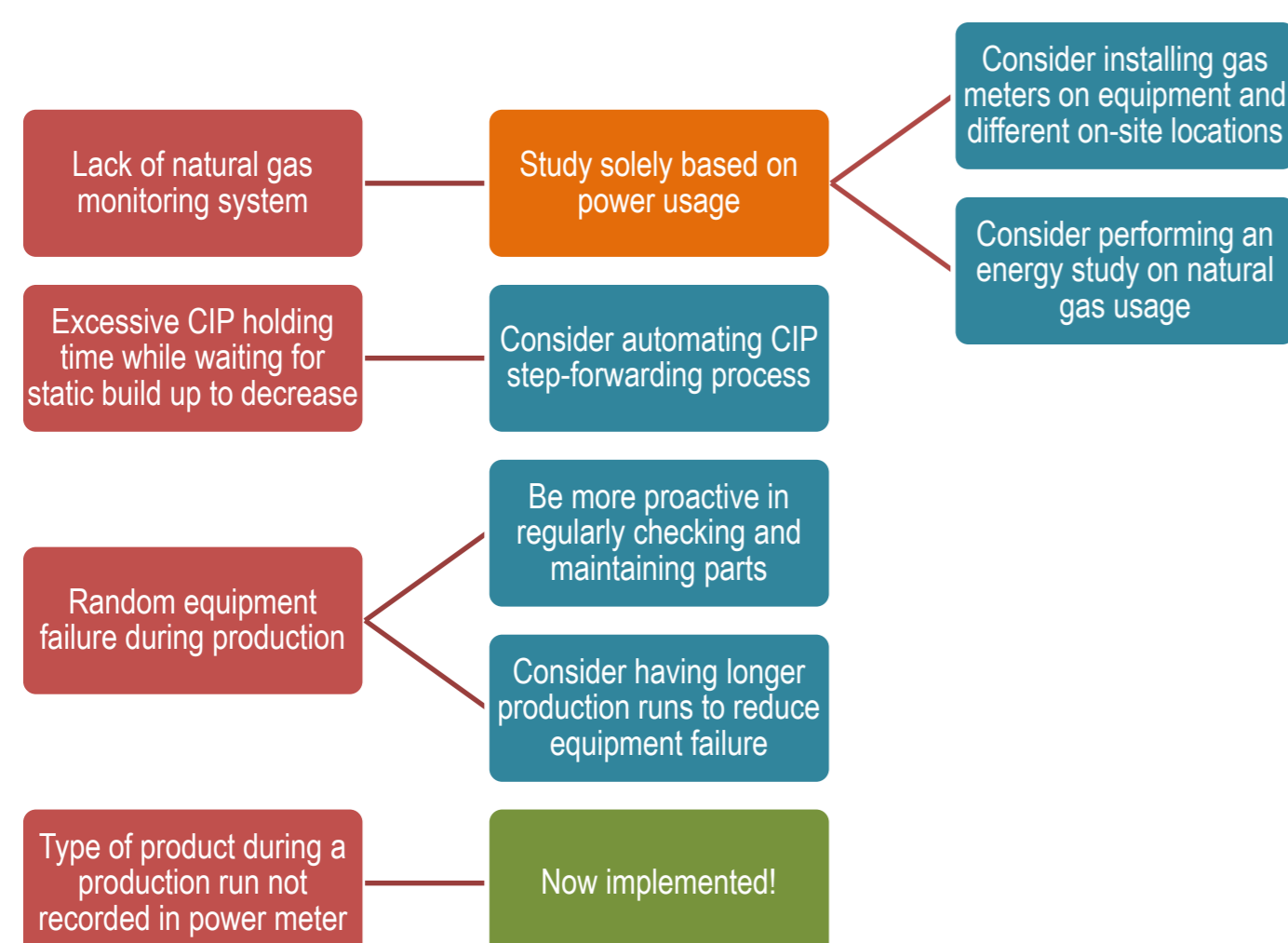


### PROJECT OUTCOMES

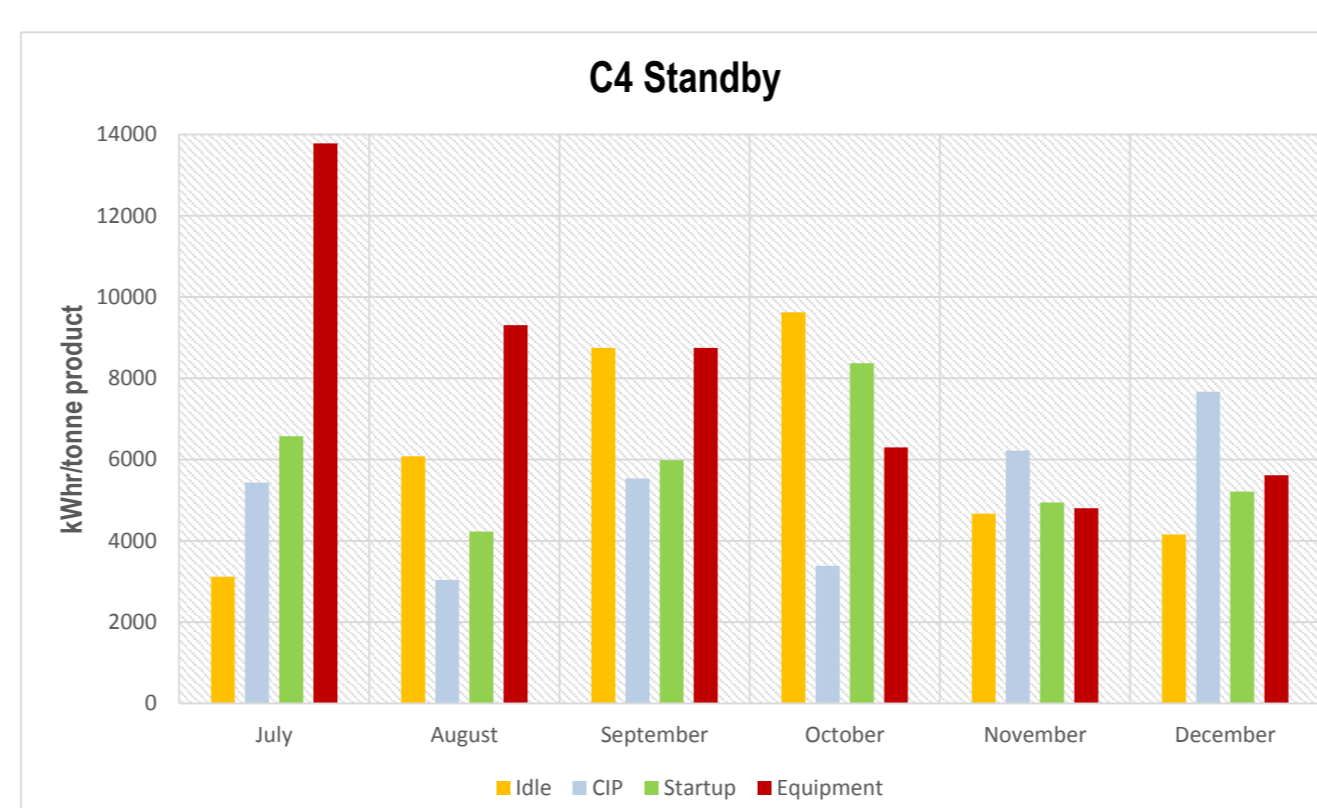
#### EGRON, C4 AND C5 POWER DISTRIBUTION



### Future Recommendations



#### REASONS FOR EVAPORATOR STANDBY



#### DISTRIBUTION OF CIP TIMES

