

# ENVE 3030 SOLID WASTE ENGINEERING TERM PROJECT

***Due May 21, 2018 17.00***

***Projects will be checked on May 22, 11.30-13.30 and May 25, 10.30-12.30***

Assume that 50% of the commingled MSW generated in XXX city is combusted in a mass-fired incinerator with electrical energy recovery. Estimate the amount of electrical energy that will be produced in this incinerator in 2018. If the residential electricity consumption is about 900 kWh/ca.yr in XXX city, what fraction of this demand could be met by the electricity produced from MSW?

## ***Rules and guidelines***

- You may do the project in groups of maximum 3 students
- Choose your city from the [Doodle list](#) until April 24, 2018 (17:00).
- Same city cannot be chosen by two groups
- Assume realistic MSW generation rates and compositions
- Cite all your assumptions
- Prepare a project report of maximum 4 pages
- Do not show all the solution in your report for the repeating calculations. Give only one example
- Prefer to present the results using tables and graphs