

Safe Management of Hazardous Waste Generated and Stored as residual waste in the vaccine centers of Kathmandu Valley during COVID-19 Vaccination

Activities conducted for collection and disposal of sharp waste in Kathmandu Valley



Health Environment and Climate Action Foundation (HECAF360)

www.hecaf360.org

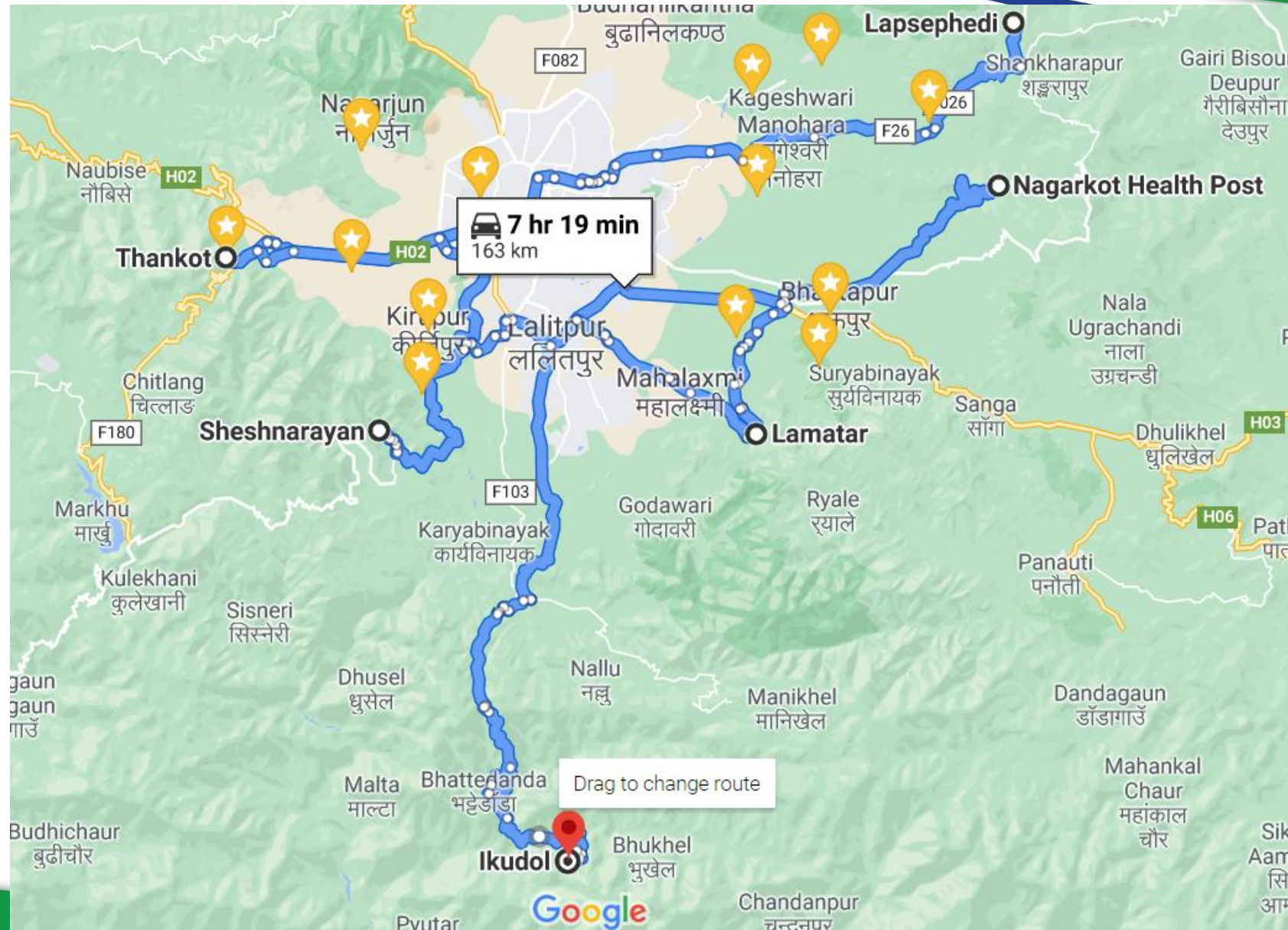


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20+3 years

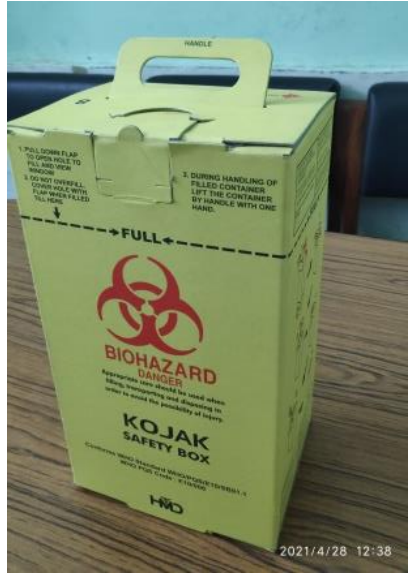
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Location of Vaccination Sites



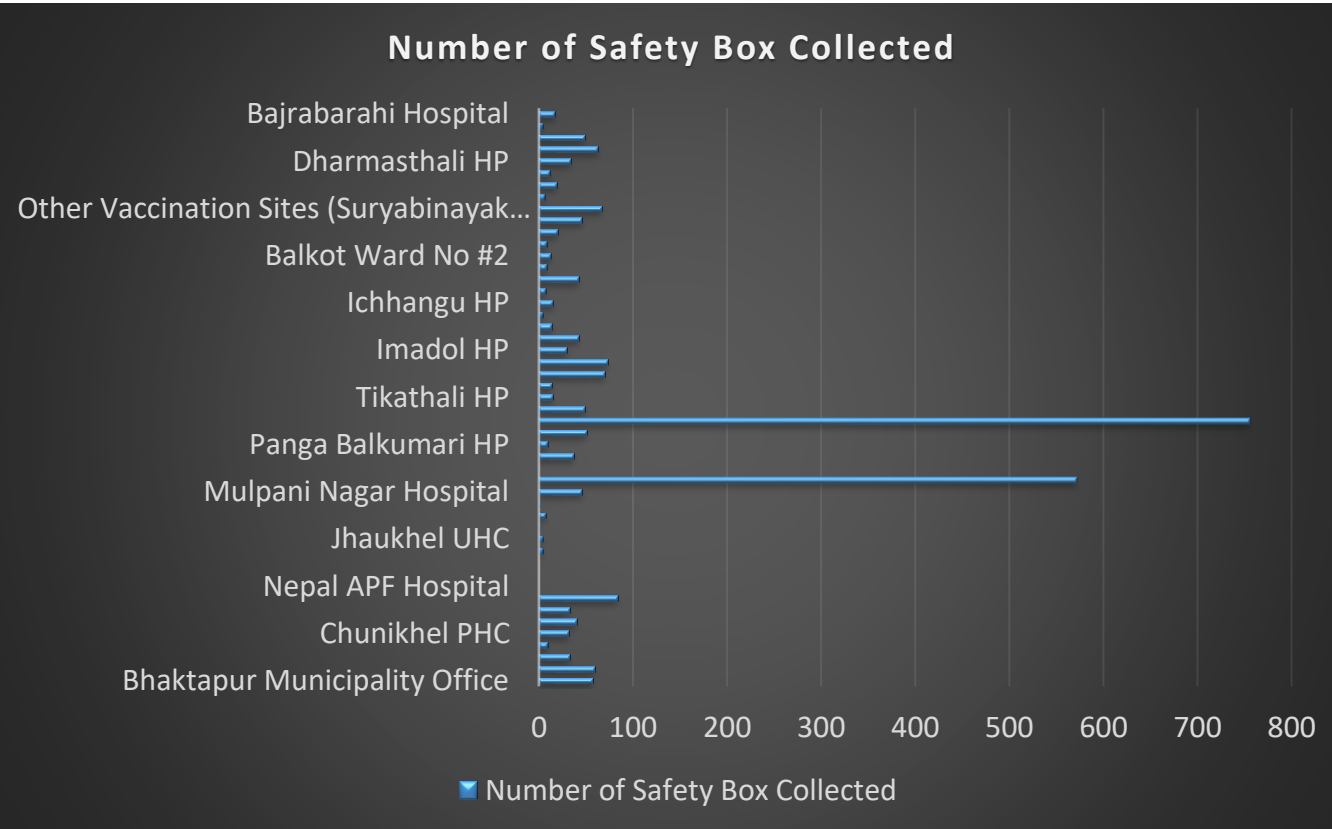
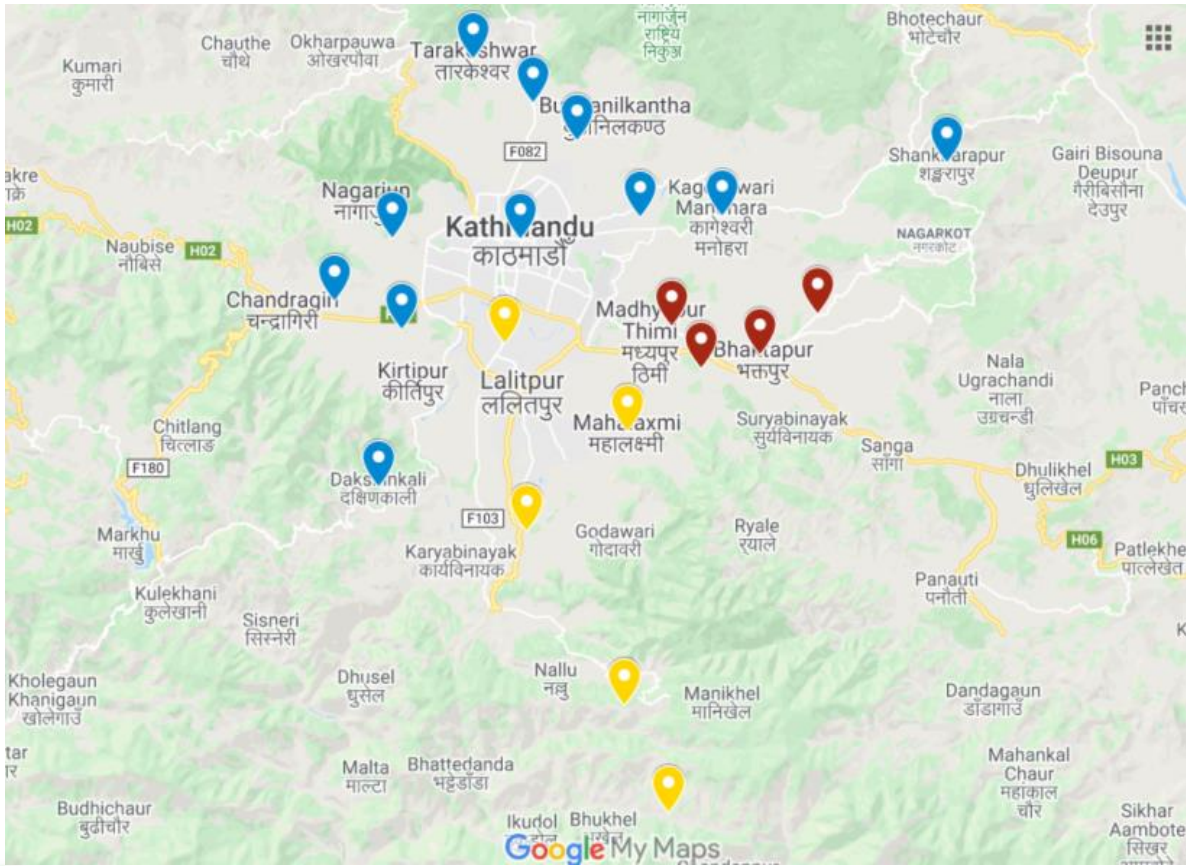
Preparation: Bio Hazard Containers and Labels



Preparation : Use of Bio Hazard Containers and Labels



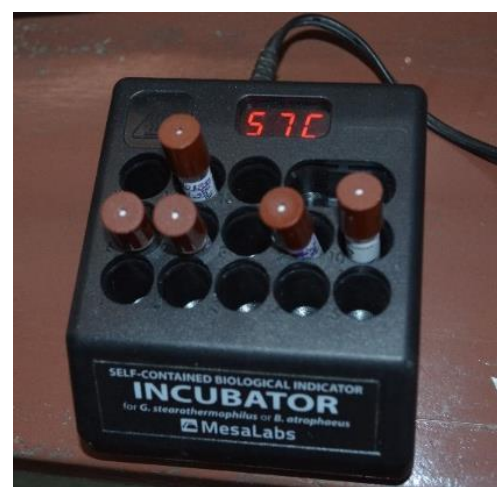
Safe Collection of Vaccine Waste from COVID-19 Vaccination Sites in Kathmandu Valley



Field Collection : Treatment by using Autoclave



956 Safety boxes: Treatment for disinfection by using Autoclave and Disposal through Recycling method



Field Collection & Transportation: Disinfection by using Microwave



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Disposed 2405 Safety boxes: Treatment for disinfection by using Autoclave and Disposal through Recycling method



Immunization Field Kit for Outreach Vaccination Campaign

प्रयोगगर्न मिल्ने सिरिन्जमात्र ।
Usable Syringe Only



प्रयोगगर्न मिल्ने कपास मात्र ।
Usable Cotton Only



खतरा **जोखिमयुक्त फोहर**
Risk Waste
संक्रमित मात्र
Infectious Only
प्रयोग भएको गज, कपास, सुई नभएको सिरिन्ज
Used Gauze, Cotton, Syringes without Needles



खतरा **जोखिमयुक्त फोहर**
Risk Waste
धारिला सिसाजन्य मात्र
Sharps Glass Only
फुटेको भाईल एम्पुल, सिसी आदि ।
Broken Vials, Ampoules, Bottles etc.



साधारण **जोखिम रहित फोहर**
Non Risk Waste
नकहिनने र नगाल्ने फोहर
Non-Biodegradable
कागज, प्लाष्टिक प्याकेजिङ आदि ।
Paper, Plastic, Packaging etc.



Sustainable Solution for vaccination Waste Autoclaving immunisation waste using reusable high capacity bins for syringe collection

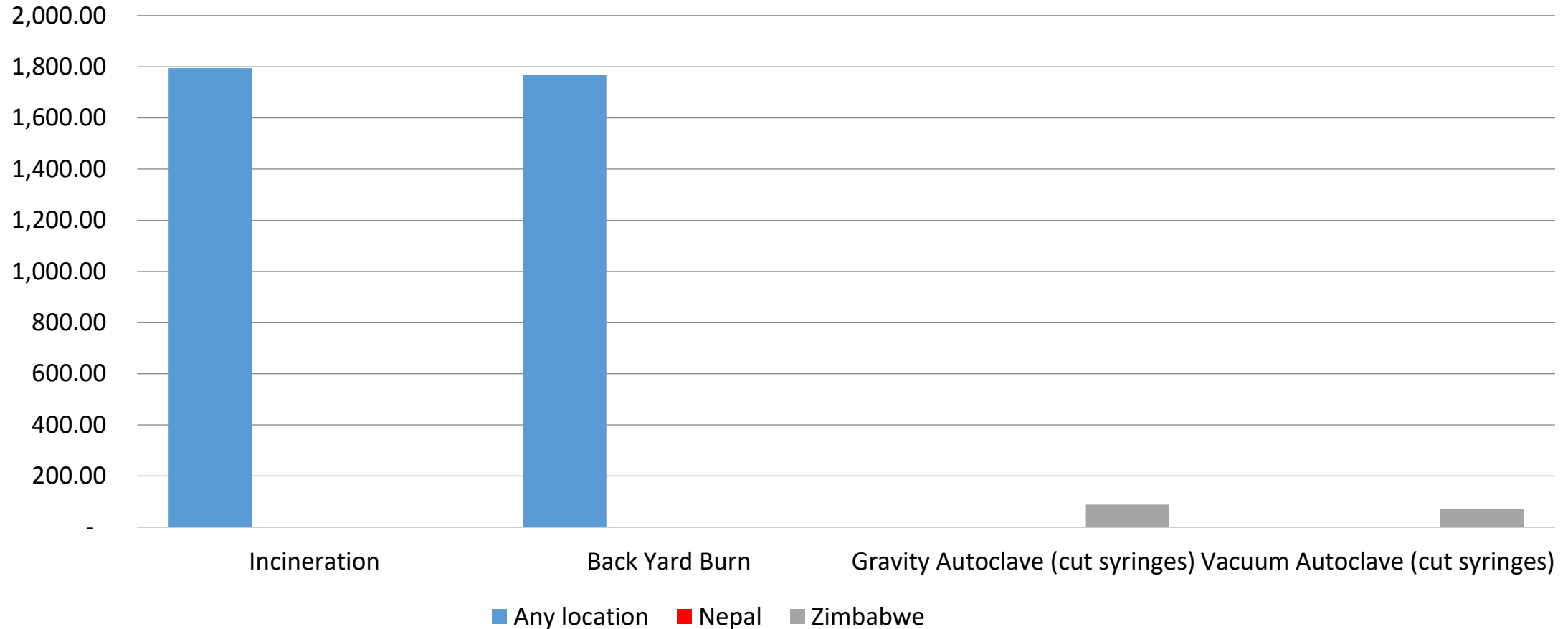


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Carbon footprint of different disposal technologies



Note- Nepal mostly generates its power from hydroelectric sources, so the carbon footprint of grid electricity is very low in comparison to most countries. Zimbabwe is more typical.

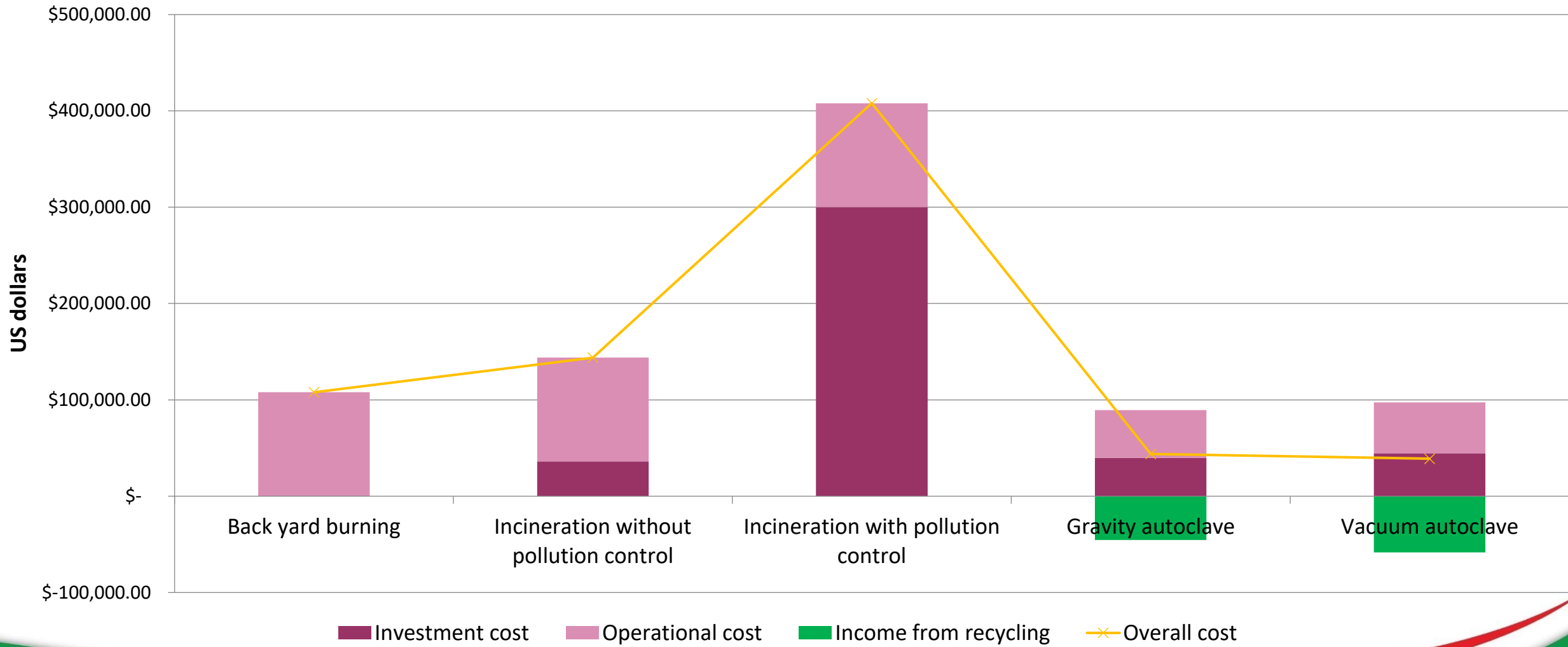


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Climate Benefit : Costs over 5 years



Thank you



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