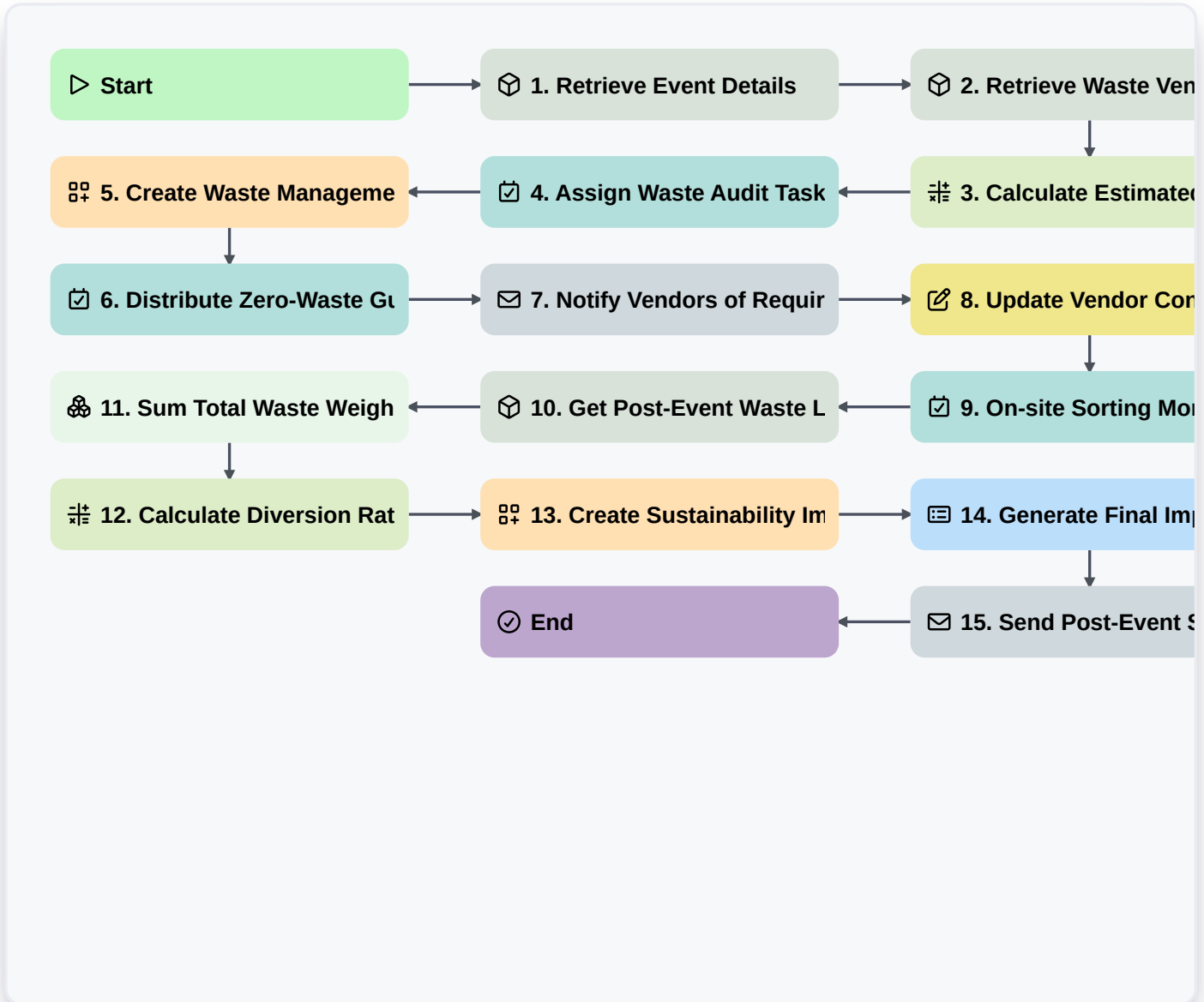


Event Sustainability And Waste Management Process



▶ Start

Start of the Workflow/Process.

📦 1. Retrieve Event Details

Fetch the core event data including expected attendance and venue capacity from the Event Data Model.

📦 2. Retrieve Waste Vendor List

Get all active waste management vendors and their service capabilities from the Vendor Data Model.

📊 3. Calculate Estimated Waste Volume

Calculate the projected total waste (kg) based on attendee count multiplied by the standard waste-per-person coefficient.

✅ 4. Assign Waste Audit Task

Create a task for the Sustainability Officer to conduct a pre-event site inspection of disposal facilities.



5. Create Waste Management Plan

Generate a new entry in the Sustainability Plan Model containing the calculated waste projections and vendor assignments.

6. Distribute Zero-Waste Guidelines

Create a task for the Operations Team to distribute digital sustainability guidelines to all event stakeholders.

7. Notify Vendors of Requirements

Send an email to selected waste vendors with the specific collection schedule and sorting requirements.

8. Update Vendor Contract Status

Update the status of the selected vendor entry to 'Confirmed' in the Vendor Data Model.

9. On-site Sorting Monitoring

Create a task for Floor Staff to monitor waste bins and ensure proper segregation during the event.

10. Get Post-Event Waste Logs

Retrieve all waste weight entries recorded by vendors during the event cleanup phase.

11. Sum Total Waste Weight

Aggregate all entries from the Waste Log to calculate the total weight of Recyclables, Compost, and Landfill waste.

12. Calculate Diversion Rate

Calculate the percentage of waste diverted from landfill: $(\text{Recyclables} + \text{Compost}) / \text{Total Waste}$.

13. Create Sustainability Impact Report

Create a new entry in the Sustainability Reports Model containing the final diversion rate and total carbon footprint estimate.

14. Generate Final Impact Report

Generate a formal PDF report summarizing the waste metrics and successes for stakeholders.

15. Send Post-Event Sustainability Summary

Send the final impact report and thank you note to the Event Organizer and Sponsors.

End

End of the Workflow/Process.