Metroville Urban Rail Expansion Project - KPI Development Template

# Technical Feasibility KPIs

## KPI 1:

KPI Name: Track Installation Rate

Definition (What it measures): Measures the rate at which new rail tracks are installed.

Measurement Method (How data will be gathered and calculated): Calculate the linear meters of track installed per month. Data will be collected from construction reports and site inspections.

Rationale (Why this KPI is important): This KPI is crucial for tracking the progress of the rail expansion construction phase, ensuring that milestones are met on schedule despite the challenging topography.

## KPI 2:

KPI Name: Electrification Milestones

Definition (What it measures): Tracks the completion of key electrification phases of the new rail lines.

Measurement Method (How data will be gathered and calculated): Record the percentage of electrification work completed against the planned schedule. Data will be gathered from project progress reports and electrical engineering teams.

Rationale (Why this KPI is important): Ensures timely progress on electrification, a critical component for enhancing rail efficiency and integrating new lines with existing systems.

# Environmental Sustainability KPIs

## KPI 1:

KPI Name: Carbon Emission Reduction

Definition (What it measures): Quantifies the reduction in CO2 emissions resulting from the new rail network.

Measurement Method (How data will be gathered and calculated): Compare baseline emissions data with post-project emissions, using environmental impact assessments and emission monitoring tools.

Rationale (Why this KPI is important): Directly aligns with Metroville's environmental goals to reduce carbon emissions and supports broader sustainability objectives.

## KPI 2:

KPI Name: Green Space Enhancement

Definition (What it measures): Measures the increase in green spaces resulting from the project.

Measurement Method (How data will be gathered and calculated): Track the area (in square meters) of new green spaces created as part of the rail expansion, using site plans and land use surveys.

Rationale (Why this KPI is important): Reflects the project's contribution to improving air quality and urban aesthetics, aligning with the city's sustainability targets.

# Community Acceptance KPIs

## KPI 1:

KPI Name: Community Feedback Score

Definition (What it measures): Measures public satisfaction with the project, including its impact on the community.

Measurement Method (How data will be gathered and calculated): Collect and analyze feedback from community surveys and public forums, calculating an average satisfaction score.

Rationale (Why this KPI is important): Ensures that the project meets community expectations and addresses concerns, which is crucial for maintaining public support and engagement.

## KPI 2:

KPI Name: Accessibility Improvement

Definition (What it measures): Assesses the enhancement in accessibility to public transportation resulting from the new rail lines.

Measurement Method (How data will be gathered and calculated): Evaluate changes in the number of new and improved transit connections and reductions in travel times for underserved areas.

* Rationale (Why this KPI is important): Indicates the project's success in addressing Metroville's connectivity issues, improving overall service quality and accessibility for residents.