

| Table: Criteria  |           |   |
|------------------|-----------|---|
| Column           | Data type | Constraints   |
| GlobalCriteriaID | INTEGER   | •PRIMARY KEY AUTOINCREMENT  |
| ObjectiveID      | INTEGER   | •REFERENCES Objectives (ObjectiveID)  |
| CriteriaSubID    | INTEGER   |   |
| CriteriaID       | TEXT      | <ul style="list-style-type: none"> <li>•UNIQUE</li> <li>•AS (ObjectiveID    '.'    CriteriaSubID)</li> <li>•NOT NULL</li> </ul> |
| CriteriaName     | TEXT      |   |

| Table: Criteria |                             |                        |                          |                    |   |
|-----------------|-----------------------------|------------------------|--------------------------|--------------------|---|
| #               | GlobalCriteriaID<br>INTEGER | ObjectiveID<br>INTEGER | CriteriaSubID<br>INTEGER | CriteriaID<br>TEXT | CriteriaName<br>TEXT                            |
| 0               | 1                           | 1.1                    | 1                        | 1.1.1              | Resilience planning and policies                |
| 1               | 2                           | 1.1                    | 2                        | 1.1.2              | Service system thinking                         |
| 2               | 3                           | 1.2                    | 1                        | 1.2.1              | Interdependencies                               |
| 3               | 4                           | 1.2                    | 2                        | 1.2.2              | Redundancies                                    |
| 4               | 5                           | 1.3                    | 1                        | 1.3.1              | Infrastructures' register                       |
| 5               | 6                           | 1.3                    | 2                        | 1.3.2              | Monitoring, real-time control and early warning |
| 6               | 7                           | 1.3                    | 3                        | 1.3.3              | Human and financial resources                   |
| 7               | 8                           | 1.3                    | 4                        | 1.3.4              | Disturbing events                               |
| 8               | 9                           | 1.3                    | 5                        | 1.3.5              | Climate change preparedness                     |
| 9               | 10                          | 2.1                    | 1                        | 2.1.1              | Internal risks understanding                    |
| 10              | 11                          | 2.1                    | 2                        | 2.1.2              | External risks understanding                    |
| 11              | 12                          | 2.1                    | 3                        | 2.1.3              | Inspection, maintenance and rehabilitation      |
| 12              | 13                          | 2.2                    | 1                        | 2.2.1              | Service performance                             |
| 13              | 14                          | 2.2                    | 2                        | 2.2.2              | Failure consequences                            |

| Table: Dimensions |           |                         |
|-------------------|-----------|-------------------------|
| Column            | Data type | Constraints             |
| DimensionID       | INTEGER   | •PRIMARY KEY<br>•UNIQUE |
| DimensionName     | TEXT      | •UNIQUE                 |

| Table: Dimensions |                        |                       |
|-------------------|------------------------|-----------------------|
| #                 | DimensionID<br>INTEGER | DimensionName<br>TEXT |
| 0                 | 1                      | Functional Dimension  |
| 1                 | 2                      | Physical Dimension    |

| Table: Metrics |           |   |
|----------------|-----------|---|
| Column         | Data type | Constraints                                       |
| GlobalMetricID | INTEGER   | •PRIMARY KEY AUTOINCREMENT                        |
| CriteriaID     |           | •REFERENCES Criteria (CriteriaID)                 |
| MetricSubID    | INTEGER   |   |
| MetricID       | TEXT      | •AS (CriteriaID    '.'    MetricSubID)<br>•UNIQUE |
| MetricName     | TEXT      |   |
| MetricQuestion | TEXT      |   |
| Answer_Type    | TEXT      |   |

| Table: Metrics |                           |            |                        |                  |   |  |
|----------------|---------------------------|------------|------------------------|------------------|---|--|
| #              | GlobalMetricID<br>INTEGER | CriteriaID | MetricSubID<br>INTEGER | MetricID<br>TEXT | MetricName<br>TEXT  | MetricQuestion<br>TEXT   |
| 0              | 1                         | 1.1.1      | 1                      | 1.1.1.1          | Stormwater strategic plan   | Does the service have an implemented strategic plan with adequate monitoring and review?             |
| 1              | 2                         | 1.1.1      | 2                      | 1.1.1.2          | Plan alignment with the City Master Plan                                | Is the plan aligned and complying with the City Master Plan, including land use zoning?              |
| 2              | 3                         | 1.1.1      | 3                      | 1.1.1.3          | Plan alignment with Resilience system-thinking                          | Does the plan have an explicit resilience-oriented view?   |
| 3              | 4                         | 1.1.2      | 1                      | 1.1.2.1          | Service management inclusion in city planning and strategic involvement | Is the stormwater service included in the city strategic planning?                                   |
| 4              | 5                         | 1.1.2      | 2                      | 1.1.2.2          | Knowledge exchange with other urban services                            | Does the service have knowledge exchange procedures with other urban services (partnerships, partici |
| 5              | 6                         | 1.1.2      | 3                      | 1.1.2.3          | Service involvement in R&D activities                                   | Is the service involved in R&D or other innovation activities or projects?                           |
| 6              | 7                         | 1.1.2      | 4                      | 1.1.2.4          | Service contribution to societal change                                 | Does the service provide opportunities for public engagement and participation?                      |
| 7              | 8                         | 1.2.1      | 1                      | 1.2.1.1          | Stormwater service dependencies on other urban services                 | To what extent are dependencies on other services known?   |
| 8              | 9                         | 1.2.1      | 2                      | 1.2.1.2          | Urban services dependencies on Stormwater service                       | To what extent are dependencies from other services known?   |

| Table: Metrics |                     |
|----------------|---------------------|
| #              | Answer_Type<br>TEXT |
| 0              | Single choice       |
| 1              | Single choice       |
| 2              | Single choice       |
| 3              | Single choice       |
| 4              | Single choice       |
| 5              | Single choice       |
| 6              | Single choice       |
| 7              | Single choice       |
| 8              | Single choice       |

| Table: Metrics |                           |            |                        |                  |  |   |
|----------------|---------------------------|------------|------------------------|------------------|--|---|
| #              | GlobalMetricID<br>INTEGER | CriteriaID | MetricSubID<br>INTEGER | MetricID<br>TEXT | MetricName<br>TEXT                                   | MetricQuestion<br>TEXT  |
| 9              | 10                        | 1.2.2      | 1                      | 1.2.2.1          | Type of redundancies in place                        | What type of redundancies are purposely in place?   |
| 10             | 11                        | 1.2.2      | 2                      | 1.2.2.2          | Redundancies communication                           | Are redundancies communicated to population?  |
| 11             | 12                        | 1.3.1      | 1                      | 1.3.1.1          | Infrastructures' register existence and completeness | Are the infrastructures properly identified and mapped?   |
| 12             | 13                        | 1.3.1      | 2                      | 1.3.1.2          | Infrastructures' register update                     | How frequent is the infrastructures' register updated?  |
| 13             | 14                        | 1.3.1      | 3                      | 1.3.1.3          | Infrastructures' register format                     | In what format is the infrastructures register kept?  |
| 14             | 15                        | 1.3.1      | 4                      | 1.3.1.4          | Infrastructures' register sharing                    | What is the infrastructures' register sharing policy?   |
| 15             | 16                        | 1.3.2      | 1                      | 1.3.2.1          | Monitoring equipment in place                        | What type of monitoring equipment is installed?   |
| 16             | 17                        | 1.3.2      | 2                      | 1.3.2.2          | Monitoring data treatment, usage and sharing         | How is monitoring data used?  |
| 17             | 18                        | 1.3.2      | 3                      | 1.3.2.3          | Real-time control equipment in place                 | Is there real-time controlled equipment installed?  |
| 18             | 19                        | 1.3.2      | 4                      | 1.3.2.4          | Early warning procedures                             | Are there forecasts and/or early warning procedures?  |
| 19             | 20                        | 1.3.3      | 1                      | 1.3.3.1          | Human resources adequacy for service cover           | Does the service have adequate human resources?   |
| 20             | 21                        | 1.3.3      | 2                      | 1.3.3.2          | Financial plan and budget allocation                 | Does the service have a financial plan with dedicated budget for resilience building/ disaster risk r |
| 21             | 22                        | 1.3.3      | 3                      | 1.3.3.3          | Service material resources in case of failure        | Does the service have adequate material resources?  |

| Table: Metrics |                     |
|----------------|---------------------|
| #              | Answer_Type<br>TEXT |
| 9              | Multiple choice     |
| 10             | Single choice       |
| 11             | Single choice       |
| 12             | Multiple choice     |
| 13             | Single choice       |
| 14             | Multiple choice     |
| 15             | Multiple choice     |
| 16             | Multiple choice     |
| 17             | Single choice       |
| 18             | Single choice       |
| 19             | Single choice       |
| 20             | Single choice       |
| 21             | Single choice       |

| Table: Metrics |                           |            |                        |                  |   |   |
|----------------|---------------------------|------------|------------------------|------------------|---|---|
| #              | GlobalMetricID<br>INTEGER | CriteriaID | MetricSubID<br>INTEGER | MetricID<br>TEXT | MetricName<br>TEXT                                | MetricQuestion<br>TEXT  |
| 22             | 23                        | 1.3.4      | 1                      | 1.3.4.1          | Response protocol for disturbing events           | Does the service have a standard protocol for emergency situations?                                   |
| 23             | 24                        | 1.3.4      | 2                      | 1.3.4.2          | Recording procedures for disturbing events        | Are recording procedures implemented in the case of a disruptive event?                               |
| 24             | 25                        | 1.3.4      | 3                      | 1.3.4.3          | Adaptation capacity after disturbing events       | Does the service have cases of adaptation measures/ strategies taken as a consequence of past disrupt |
| 25             | 26                        | 1.3.4      | 4                      | 1.3.4.4          | Transformability capacity after disturbing events | Does the service have cases of transformational measures/ strategies taken as a consequence of past d |
| 26             | 27                        | 1.3.5      | 1                      | 1.3.5.1          | Commitment to CC mitigation (%GHG reduction)      | Is the service committed with CC mitigation through reduction of GHG emissions?                       |
| 27             | 28                        | 1.3.5      | 2                      | 1.3.5.2          | Existence of local/ downscaled CC scenarios       | For which relevant climate variables/ events are there agreed CC scenarios/local projections?         |
| 28             | 29                        | 1.3.5      | 3                      | 1.3.5.3          | Current performance with future conditions        | Has the performance of the current system been evaluated on the basis of known CC scenarios?          |



| Table: Metrics |                     |
|----------------|---------------------|
| #              | Answer_Type<br>TEXT |
| 22             | Single choice       |
| 23             | Multiple choice     |
| 24             | Single choice       |
| 25             | Single choice       |
| 26             | Single choice       |
| 27             | Multiple choice     |
| 28             | Single choice       |

| Table: Metrics |                           |            |                        |                  |  |   |
|----------------|---------------------------|------------|------------------------|------------------|--|---|
| #              | GlobalMetricID<br>INTEGER | CriteriaID | MetricSubID<br>INTEGER | MetricID<br>TEXT | MetricName<br>TEXT                         | MetricQuestion<br>TEXT  |
| 29             | 30                        | 1.3.5      | 4                      | 1.3.5.4          | In place or planned CC adaptation measures | What type of measures has the service implemented/ planned to address climate change mitigation and a |
| 30             | 32                        | 2.1.1      | 1                      | 2.1.1.1          | Known internal risks                       | Which of the following physical internal risks are currently assessed?                                |
| 31             | 33                        | 2.1.1      | 2                      | 2.1.1.2          | Mapping of internal risks                  | Are the physical internal risks mapped?   |
| 32             | 34                        | 2.1.2      | 1                      | 2.1.2.1          | Known external risks                       | Which of the following physical external risks are currently assessed?                                |
| 33             | 35                        | 2.1.2      | 2                      | 2.1.2.2          | Mapping of external risks                  | Are the physical external risks mapped?   |
| 34             | 36                        | 2.1.3      | 1                      | 2.1.3.1          | Inspection procedures                      | How are inspection procedures implemented?  |
| 35             | 37                        | 2.1.3      | 2                      | 2.1.3.2          | Maintenance of inlet devices               | Are there inlet devices maintenance procedures?   |
| 36             | 38                        | 2.1.3      | 3                      | 2.1.3.3          | Maintenance of special equipment           | Are there special equipment maintenance procedures?   |
| 37             | 39                        | 2.1.3      | 4                      | 2.1.3.4          | Rehabilitation of sewers/open channels     | What is the average annual percentage of storm sewers/open channels with more than 10 years rehabili  |

| Table: Metrics |                     |
|----------------|---------------------|
| #              | Answer_Type<br>TEXT |
| 29             | Multiple choice     |
| 30             | Multiple choice     |
| 31             | Single choice       |
| 32             | Multiple choice     |
| 33             | Single choice       |
| 34             | Multiple choice     |
| 35             | Single choice       |
| 36             | Single choice       |
| 37             | Single choice       |

| Table: Metrics |                           |            |                        |                  |   |   |
|----------------|---------------------------|------------|------------------------|------------------|---|---|
| #              | GlobalMetricID<br>INTEGER | CriteriaID | MetricSubID<br>INTEGER | MetricID<br>TEXT | MetricName<br>TEXT  | MetricQuestion<br>TEXT  |
| 38             | 40                        | 2.1.3      | 5                      | 2.1.3.5          | Coverage of expenditure with inspection, maintenance and rehabilitation | What is the ratio between expenditure with rehabilitation, operation and management of infrastrucur |

| Table: Metrics |                     |
|----------------|---------------------|
| #              | Answer_Type<br>TEXT |
| 38             | Single choice       |

| Table: MetricsOptions |           |   |
|-----------------------|-----------|---|
| Column                | Data type | Constraints                                 |
| MetricGlobalID        | INTEGER   | •PRIMARY KEY AUTOINCREMENT                  |
| MetricID              |           | •REFERENCES Metrics (MetricID) MATCH "FULL" |
| Opt1                  | TEXT      |   |
| Opt2                  | TEXT      |   |
| Opt3                  | TEXT      |   |
| Opt4                  | TEXT      |   |
| Opt5                  | TEXT      |   |
| Opt6                  | TEXT      |   |
| Opt7                  | TEXT      |   |
| Opt8                  | TEXT      |   |
| Opt9                  | TEXT      |   |
| Opt10                 | TEXT      |   |

| Table: MetricsOptions |                           |          |  |  |   |
|-----------------------|---------------------------|----------|--|--|---|
| #                     | MetricGlobalID<br>INTEGER | MetricID | Opt1<br>TEXT   | Opt2<br>TEXT   | Opt3<br>TEXT  |
| 0                     | 1                         | 1.1.1.1  | The strategic plan does not exist.                       | The strategic plan exists but is not implemented (is outdated / is not monitored). | The strategic plan is implemented but considers only a technical component. |
| 1                     | 2                         | 1.1.1.2  | No.  | Partially.   | Yes.  |
| 2                     | 3                         | 1.1.1.3  | No.  | Partially or indirectly.   | Yes.  |
| 3                     | 4                         | 1.1.2.1  | No strategic involvement.                                | Yes, but indirectly, marginally, or sporadically.                                  | Yes.  |
| 4                     | 5                         | 1.1.2.2  | No explicit knowledge exchange procedures in place.      | Yes, but informally or unofficially.   | Yes.  |
| 5                     | 6                         | 1.1.2.3  | No involvement in the last 5 years.                      | Yes, in the last 5 years but not at the moment.                                    | Yes, at the moment or up to the next 5 years.                               |
| 6                     | 7                         | 1.1.2.4  | Not explicitly.  | Only when mandatory.   | Yes, regularly.   |
| 7                     | 8                         | 1.2.1.1  | No knowledge or formal understanding about dependencies. | Minor understanding about dependencies.  | Critical dependencies known.  |
| 8                     | 9                         | 1.2.1.2  | No knowledge or formal understanding about dependencies. | Minor understanding about dependencies.  | Critical dependencies known.  |
| 9                     | 10                        | 1.2.2.1  | None   | Meshed network (relief sewers)   | Oversized sewers (onsite storage)   |
| 10                    | 11                        | 1.2.2.2  | No.  | Yes, passively.  | Yes, actively.  |
| 11                    | 12                        | 1.3.1.1  | No structured register of infrastructures exist.         | Global infrastructures' register exists with low detailed level                    | Detailed infrastructures' register exists for critical areas                |
| 12                    | 13                        | 1.3.1.2  | No update routines/criteria                              | Updated but with no defined frequency or other criteria.                           | Updated on periodic basis.  |
| 13                    | 14                        | 1.3.1.3  | Sketched based register (CAD or similar)                 | GIS attribute based (shapefiles or similar)  |   |

| Table: MetricsOptions |   |                              |                           |                           |
|-----------------------|---|------------------------------|---------------------------|---------------------------|
| #                     | Opt4<br>TEXT  | Opt5<br>TEXT                 | Opt6<br>TEXT              | Opt7<br>TEXT              |
| 0                     | The strategic plan is implemented and considers technical and non-technical components. |                              |                           |                           |
| 1                     |   |                              |                           |                           |
| 2                     |   |                              |                           |                           |
| 3                     |   |                              |                           |                           |
| 4                     |   |                              |                           |                           |
| 5                     |   |                              |                           |                           |
| 6                     |   |                              |                           |                           |
| 7                     | Full map on dependencies is depicted.   |                              |                           |                           |
| 8                     | Full map on dependencies is depicted.   |                              |                           |                           |
| 9                     | Storm tanks   | Multi-purpose flooding areas | Alternative flow pathways | Detention/Retention ponds |
| 10                    |   |                              |                           |                           |
| 11                    | Global and detailed infrastructures' register exists                                    |                              |                           |                           |
| 12                    | Updated when infrastructures have any modifications.                                    |                              |                           |                           |
| 13                    |   |                              |                           |                           |

| Table: MetricsOptions |              |              |               |
|-----------------------|--------------|--------------|---------------|
| #                     | Opt8<br>TEXT | Opt9<br>TEXT | Opt10<br>TEXT |
| 0                     |              |              |               |
| 1                     |              |              |               |
| 2                     |              |              |               |
| 3                     |              |              |               |
| 4                     |              |              |               |
| 5                     |              |              |               |
| 6                     |              |              |               |
| 7                     |              |              |               |
| 8                     |              |              |               |
| 9                     | Other NBS    |              |               |
| 10                    |              |              |               |
| 11                    |              |              |               |
| 12                    |              |              |               |
| 13                    |              |              |               |



| Table: MetricsOptions |                           |          |  |   |   |
|-----------------------|---------------------------|----------|--|---|---|
| #                     | MetricGlobalID<br>INTEGER | MetricID | Opt1<br>TEXT                                   | Opt2<br>TEXT  | Opt3<br>TEXT  |
| 14                    | 15                        | 1.3.1.4  | Detailed sharing with other municipal services | Unrefined sharing with the public   | Sharing always available  |
| 15                    | 16                        | 1.3.2.1  | None   | Rain gauges   | Rainfall radar/satellite data   |
| 16                    | 17                        | 1.3.2.2  | Real-time dashboard                            | Early warning indicators  | Real-time control of equipment  |
| 17                    | 18                        | 1.3.2.3  | No   | Yes   |   |
| 18                    | 19                        | 1.3.2.4  | No   | Yes, with internal early warning only   | Yes, with internal and public early warning procedures exist                                |
| 19                    | 20                        | 1.3.3.1  | No   | Yes, for normal conditions  | Yes, for normal conditions and emergency situations   |
| 20                    | 21                        | 1.3.3.2  | No clear financial plan.                       | The financial plan indirectly includes resilience building/ DRR, but budgets are not ring fenced. | The financial plan directly considers resilience building/ DRR and budgets are ring fenced. |
| 21                    | 22                        | 1.3.3.3  | No   | Yes, for normal conditions  | Yes, for normal conditions and emergency situations   |
| 22                    | 23                        | 1.3.4.1  | No formal/informal protocol exists.            | Protocol exists, but informally (based on past occurrences and available resources)               | Protocol exists formally, but not integrated/aligned with city-wide emergency plan          |
| 23                    | 24                        | 1.3.4.2  | No recording procedures implemented.           | Emergency/civil protection calls  | Flood duration is measured/estimated.   |
| 24                    | 25                        | 1.3.4.3  | No   | Yes   |   |
| 25                    | 26                        | 1.3.4.4  | No   | Yes   |   |
| 26                    | 27                        | 1.3.5.1  | No commitment.                                 | Yes, but the target is lower than 20% or is not defined.  | Yes, with a 20 - 49% reduction target.  |
| 27                    | 28                        | 1.3.5.2  | None   | Sea level rise  | Rainfall intensities  |
| 28                    | 29                        | 1.3.5.3  | No   | Yes, for the minor system   | Yes, for the minor and major systems  |

| Table: MetricsOptions |   |  |   |                       |
|-----------------------|---|--|---|-----------------------|
| #                     | Opt4<br>TEXT  | Opt5<br>TEXT                             | Opt6<br>TEXT  | Opt7<br>TEXT          |
| 14                    |   |  |   |                       |
| 15                    | Flow level in underground infrastructures                                       | Flow rate in underground infrastructures | Flow quality in underground infrastructures/outfall | Flow level at surface |
| 16                    | Statistical analysis  |  |   |                       |
| 17                    |   |  |   |                       |
| 18                    |   |  |   |                       |
| 19                    |   |  |   |                       |
| 20                    |   |  |   |                       |
| 21                    |   |  |   |                       |
| 22                    | Protocol exist formally and is integrated/aligned with city-wide emergency plan |  |   |                       |
| 23                    | Flood hazardousness (e.g. depth) is measured/estimated.                         | Flooded area is measured/estimated.      | Infrastructure failure is registered.               | Other(s)              |
| 24                    |   |  |   |                       |
| 25                    |   |  |   |                       |
| 26                    | Yes, with a minimum 50% reduction target.                                       |  |   |                       |
| 27                    | Storm surges or coastal overtopping   |  |   |                       |
| 28                    |   |  |   |                       |

| Table: MetricsOptions |              |              |               |
|-----------------------|--------------|--------------|---------------|
| #                     | Opt8<br>TEXT | Opt9<br>TEXT | Opt10<br>TEXT |
| 14                    |              |              |               |
| 15                    | Other(s)     |              |               |
| 16                    |              |              |               |
| 17                    |              |              |               |
| 18                    |              |              |               |
| 19                    |              |              |               |
| 20                    |              |              |               |
| 21                    |              |              |               |
| 22                    |              |              |               |
| 23                    |              |              |               |
| 24                    |              |              |               |
| 25                    |              |              |               |
| 26                    |              |              |               |
| 27                    |              |              |               |
| 28                    |              |              |               |

| Table: MetricsOptions |                           |          |                                    |  |   |
|-----------------------|---------------------------|----------|------------------------------------|--|---|
| #                     | MetricGlobalID<br>INTEGER | MetricID | Opt1<br>TEXT                       | Opt2<br>TEXT   | Opt3<br>TEXT  |
| 29                    | 30                        | 1.3.5.4  | None                               | Stakeholder or public engagement or awareness  | Strengthening relationships between (inter)dependent services |
| 30                    | 31                        | 2.1.1.1  | None                               | Structural conditions of sewers and manholes   | Discharge conditions at outfalls                              |
| 31                    | 32                        | 2.1.1.2  | No                                 | Partially, not covering the all the risks or all the infrastructure                        | Yes (if suitable)   |
| 32                    | 33                        | 2.1.2.1  | None                               | Electromechanical equipment exposure to flooding   | Special equipment exposure to tides                           |
| 33                    | 34                        | 2.1.2.2  | No                                 | Partially, not covering the all the risks or all the infrastructure                        | Yes (if suitable)   |
| 34                    | 35                        | 2.1.3.1  | No inspection routines implemented | Locally, when issues are reported  | Periodic inspection on critical assets                        |
| 35                    | 36                        | 2.1.3.2  | No maintenance procedures          | Maintenance is responsibility of external player   | Yes, with no established criteria (arbitrary)                 |
| 36                    | 37                        | 2.1.3.3  | No maintenance procedures          | Yes, with no established criteria (arbitrary or when needed)                               | Yes, regularly and with established criteria                  |
| 37                    | 38                        | 2.1.3.4  | FALTA                              | FALTA  | FALTA   |
| 38                    | 39                        | 2.1.3.5  | Less than 0.9 or more than 1.2     | More than or equal to 0.9 and less than 1.0 or more than 1.1 and less than or equal to 1.2 | More than or equal to 1.0 and less than or equal to 1.1       |

| Table: MetricsOptions |  |   |   |  |
|-----------------------|--|---|---|--|
| #                     | Opt4<br>TEXT                                       | Opt5<br>TEXT                                  | Opt6<br>TEXT  | Opt7<br>TEXT   |
| 29                    | Improvement of information collection and analysis | Development of emergency or contingency plans | Implementation/ improvement of green infrastructure | Implementation/ improvement of grey infrastructure         |
| 30                    | Electromechanical equipment failure                | Inlets' and connection branches clogging      |   |  |
| 31                    |  |   |   |  |
| 32                    | Sewer exposure to tides                            | Sewers exposure to clogging                   | Inlet devices exposure to clogging                  | Seweres exposure to silting up and deposition of sediments |
| 33                    |  |   |   |  |
| 34                    |  |   |   |  |
| 35                    | Yes, regularly and with established criteria       |   |   |  |
| 36                    |  |   |   |  |
| 37                    |  |   |   |  |
| 38                    |  |   |   |  |

| Table: MetricsOptions |   |  |               |
|-----------------------|---|--|---------------|
| #                     | Opt8<br>TEXT  | Opt9<br>TEXT   | Opt10<br>TEXT |
| 29                    | Power generation in drainage infrastructures (e.g. turbinating) | Energy consumption reduction (service fleet, pumping station optimization, etc.) | Other(s)      |
| 30                    |   |  |               |
| 31                    |   |  |               |
| 32                    |   |  |               |
| 33                    |   |  |               |
| 34                    |   |  |               |
| 35                    |   |  |               |
| 36                    |   |  |               |
| 37                    |   |  |               |
| 38                    |   |  |               |

| Table: Objectives |           |                                      |
|-------------------|-----------|--------------------------------------|
| Column            | Data type | Constraints                          |
| GlobalObjectiveID | INTEGER   | •PRIMARY KEY AUTOINCREMENT           |
| DimensionID       | INTEGER   | •REFERENCES Dimensions (DimensionID) |
| ObjectiveSubID    | INTEGER   |                                      |

|               |      |   |
|---------------|------|---|
| ObjectiveID   | TEXT | <ul style="list-style-type: none"> <li>•UNIQUE</li> <li>•AS (DimensionID    '.'    ObjectiveSubID)</li> </ul> |
| ObjectiveName | TEXT |   |

| Table: Objectives |                               |                        |                           |                     |   |
|-------------------|-------------------------------|------------------------|---------------------------|---------------------|---|
| #                 | GlobalObjecetiveID<br>INTEGER | DimensionID<br>INTEGER | ObjectiveSubID<br>INTEGER | ObjectiveID<br>TEXT | ObjectiveName<br>TEXT                   |
| 0                 | 1                             | 1                      | 1                         | 1.1                 | Institutional capacity                  |
| 1                 | 2                             | 1                      | 2                         | 1.2                 | Urban service relationships             |
| 2                 | 3                             | 1                      | 3                         | 1.3                 | System knowledge                        |
| 3                 | 4                             | 2                      | 1                         | 2.1                 | Physical and infrastructural robustness |
| 4                 | 5                             | 2                      | 2                         | 2.2                 | Performance assessment                  |

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