Appendix “A”

(TBL Analysis Handbook)

FLAMROC BENEFITS SCORE METHOD

MSD typically uses the Triple Bottom Line Scoring Criteria that includes Social, Environmental, and Cost to evaluate BCE project alternatives where scores are tabulated for Social and Environmental. See the Triple Bottom Line Analysis Handbook for additional information.

The FLAMROC Benefits score evaluates projects in accordance with the definitions listed below and provides a broader impact of the project alternative to MSD’s ongoing operation. The Planner has flexibility in evaluating alternatives by one of the two methods or could add the FLAMROC score onto the Triple Bottom line score. These two named methods are not exclusive and other scores such as project risk score can also be considered for evaluation of project alternatives.

Customize FLAMROC definitions to meet project needs:

**Flexibility**

Manageable methods of operation in the event of a service interruption or change including increase in service. Adjust definitions to meet project needs.

**Land Availability**

Need for additional land for project is minimized.

**Adaptability**

The project can be changed in the future for changing conditions.

**Maintainability**

The project has a long expected useful life, requiring a minimum of regular and preventative maintenance.

**Reliability**

The projects operation provides reliable and consistent service over useful life.

**Operability**

The projects ease of operation is provided throughout the useful life.

**Constructability**

The proposed project and the sequence of construction will minimize the risk of

Cost overruns and delays.

The proposed FLAMROC scoring criterion and their respective maximum possible points are

Shown in Table 1. Note that the concept of maximum possible score combines the separate concepts of

weighting and scoring, so that the Scoring Team only needs to assign one number to

a category.

**Table 1 FLAMROC Criteria and Weights**

|  |  |
| --- | --- |
| **Criteria** | Weight\*  |
| **Flexibility** | 15 |
| **Land Availability** | 15 |
| **Adaptability** | 15 |
| **Maintainability** | 15 |
| **Reliability**  | 15 |
| **Operability** | 10 |
| **Constructability**  | 15 |
| **FLAMROC TOTAL SCORE** | 100 |

-\*- Adjust weight to meet project needs