

## Multi-Objective Decision Analysis (MODA) worksheet (optional)

10/2/2014

### Overview

Between Community Advisory Group Meetings #5a and #5b, advisory group members will individually complete a Multi-Objective Decision Analysis (MODA) evaluation using Transparent Choice, an online software to support the MODA process. This optional worksheet (see reverse) may be used to prepare for entering the evaluation scores into the software. A separate MODA evaluation instructions handout provides detailed step-by-step directions for using Transparent Choice.

Scoring is on a scale of 1 to 5, where 1 indicates that the route option least meets the factor and 5 indicates that it best meets the factor.

- Least meets the factor = 1 
- Mostly does not meet the factor = 2 
- Somewhat meets the factor = 3 
- Meets the factor = 4 
- Best meets the factor = 5 

Note: The same score can be applied to multiple routes. For example, two or three routes might receive a 5 if they all best meet the factor.

Please score the route options carefully. If you assign a higher (better) score, that indicates that you believe the route option is either less negatively affected or more protected, depending upon the evaluation factor. Examples are provided for each factor in the table (see reverse) to assist you.

| Route options recommended for further evaluation   |     |       |       |            |     |        |     |      |         |          |        |
|--|-----|-------|-------|------------|-----|--------|-----|------|---------|----------|--------|
| Evaluation factors   | Ash | Aspen | Cedar | Cottonwood | Elm | Laurel | Oak | Pine | Redwood | Sycamore | Willow |
| Avoids impacts to aesthetics<br><i>(1 = most aesthetic impact; 5 = least aesthetic impact)</i>                 |     |       |       |            |     |        |     |      |         |          |        |
| Avoids residential areas<br><i>(1 = most residences impacted; 5 = least residences impacted)</i>               |     |       |       |            |     |        |     |      |         |          |        |
| Avoids sensitive community land uses<br><i>(1 = most schools, parks, etc. impacted; 5 = least impacted)</i>    |     |       |       |            |     |        |     |      |         |          |        |
| Avoids sensitive environmental areas<br><i>(1 = most wetlands, streams, etc. impacted; 5 = least impacted)</i> |     |       |       |            |     |        |     |      |         |          |        |
| Least cost to the rate payer<br><i>(1 = highest cost; 5 = lowest cost)</i>                                     |     |       |       |            |     |        |     |      |         |          |        |
| Maximizes longevity<br><i>(1 = least longevity; 5 = most longevity)</i>  |     |       |       |            |     |        |     |      |         |          |        |
| Maximizes opportunity areas<br><i>(1 = least use of opportunity areas; 5 = most use of opportunity areas)</i>  |     |       |       |            |     |        |     |      |         |          |        |
| Protects health and safety<br><i>(1 = least protective of health and safety; 5 = most protective)</i>          |     |       |       |            |     |        |     |      |         |          |        |
| Protects mature vegetation<br><i>(1 = most mature vegetation impacted; 5 = least impacted)</i>                 |     |       |       |            |     |        |     |      |         |          |        |