

Energize Eastside

Community Advisory Group Meeting #5b

energize**EASTSIDE**

Oct. 8, 2014

MODA and decision-making

How does MODA inform recommendations?

- Allows for objective look at multiple data points and multiple values
- Applies levels of importance to criteria (factors) via weighting
- Compiles reviewers' scores to allow discussion and consideration
- Is a decision-making tool, not the decision-maker

Weighting schemes

Evaluation factor	Advisory group weighting (n = 23)	Community survey weighting (n = 461)	Difference between weights
Avoids impacts to aesthetics*	5%	14%	+ 9%
Avoids residential areas	24%	31%	+ 7%
Avoids sensitive community land uses	13%	10%	- 3%
Avoids sensitive environmental areas	7%	12.5%	+ 5.5%
Least cost to the rate payer	14%	7%	- 7%
Maximizes longevity	9%	4%	- 5%
Maximizes opportunity areas	15%	6%	- 9%
Protects health and safety	9%	9%	0%
Protects mature vegetation	4%	6.5%	+ 2.5%
Total	100%	100%	n/a

*Highlighted evaluation factors have a difference of seven percentage points or greater between the two weighting schemes.

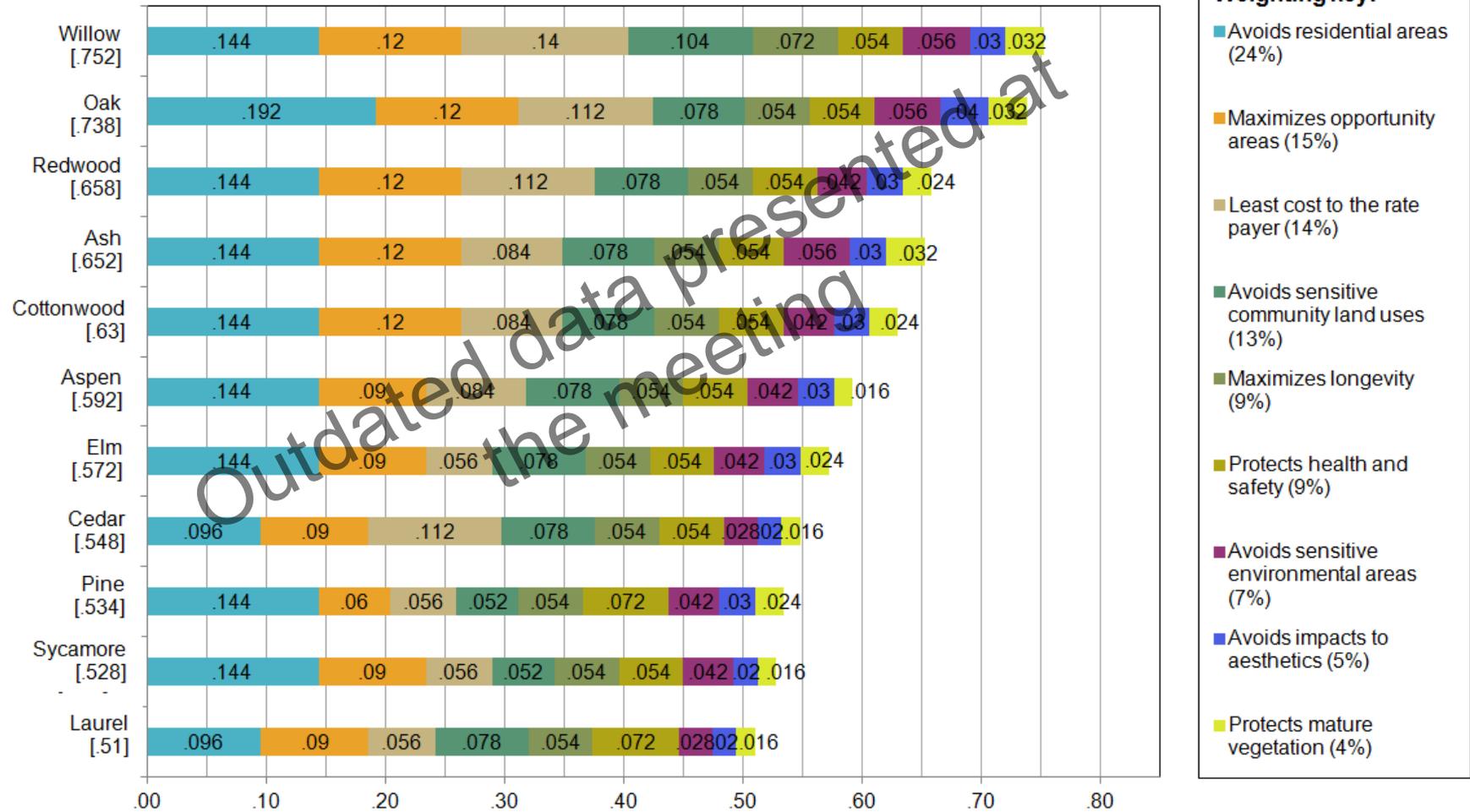
MODA evaluation

How the software calculated the results:

Process	Example	Equation
1. Scores provided by all evaluators are averaged	On a scale of 1 to 5, the average score for Ash in “Avoids residential areas” is 3.	Ash = 3
2. Averaged scores are normalized	Since 5 is the total number of points possible, 3 is 60% of the total possible score.	$3/5 = .6$ or 60%
3. The weighting is applied	“Avoids residential areas” is given weighting of 24%. This is multiplied by the percentage of total points received.	$0.6 * 0.24 = 0.144$

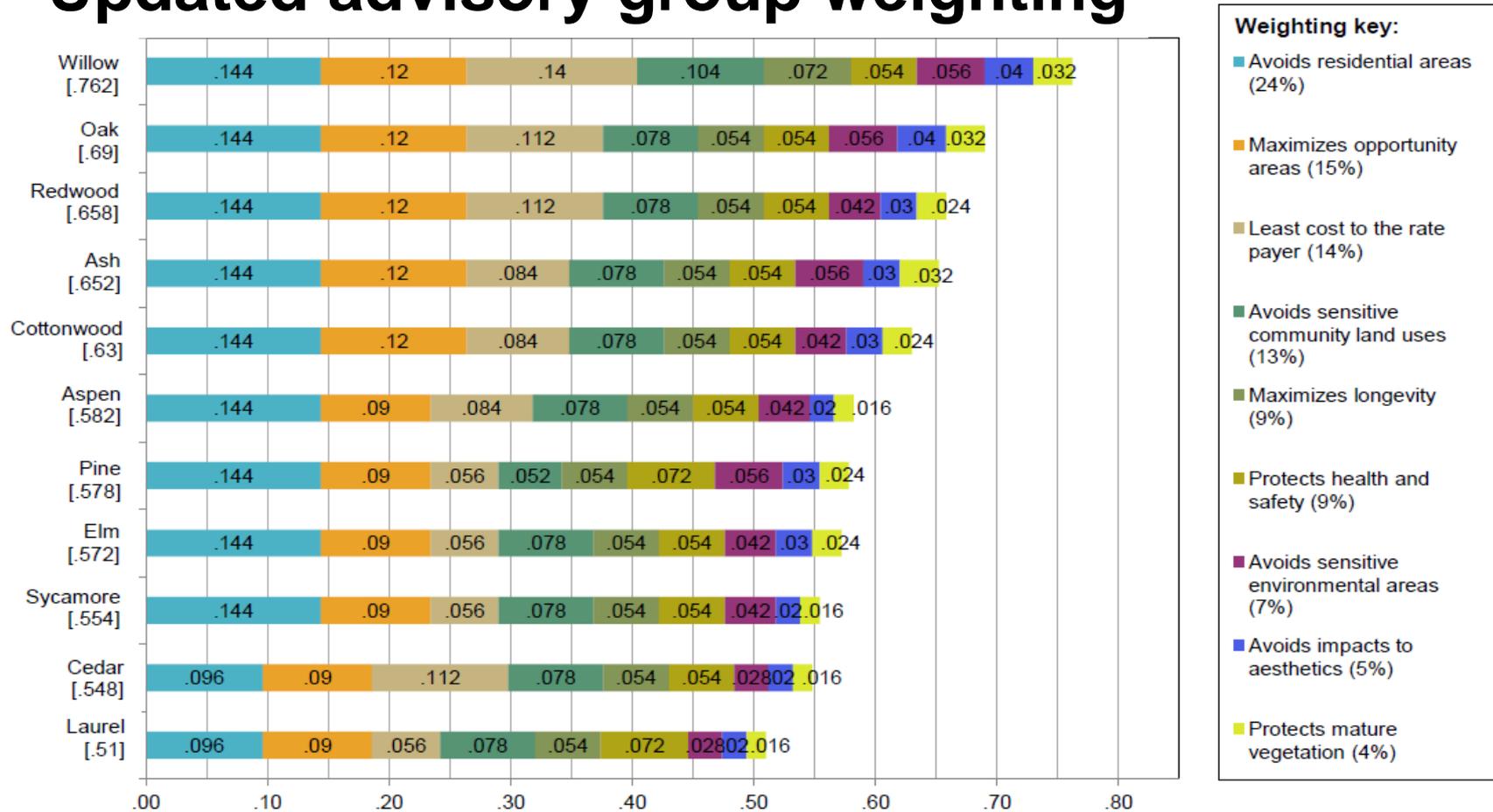
Results of the MODA evaluation

Advisory group weighting



Results of the MODA evaluation

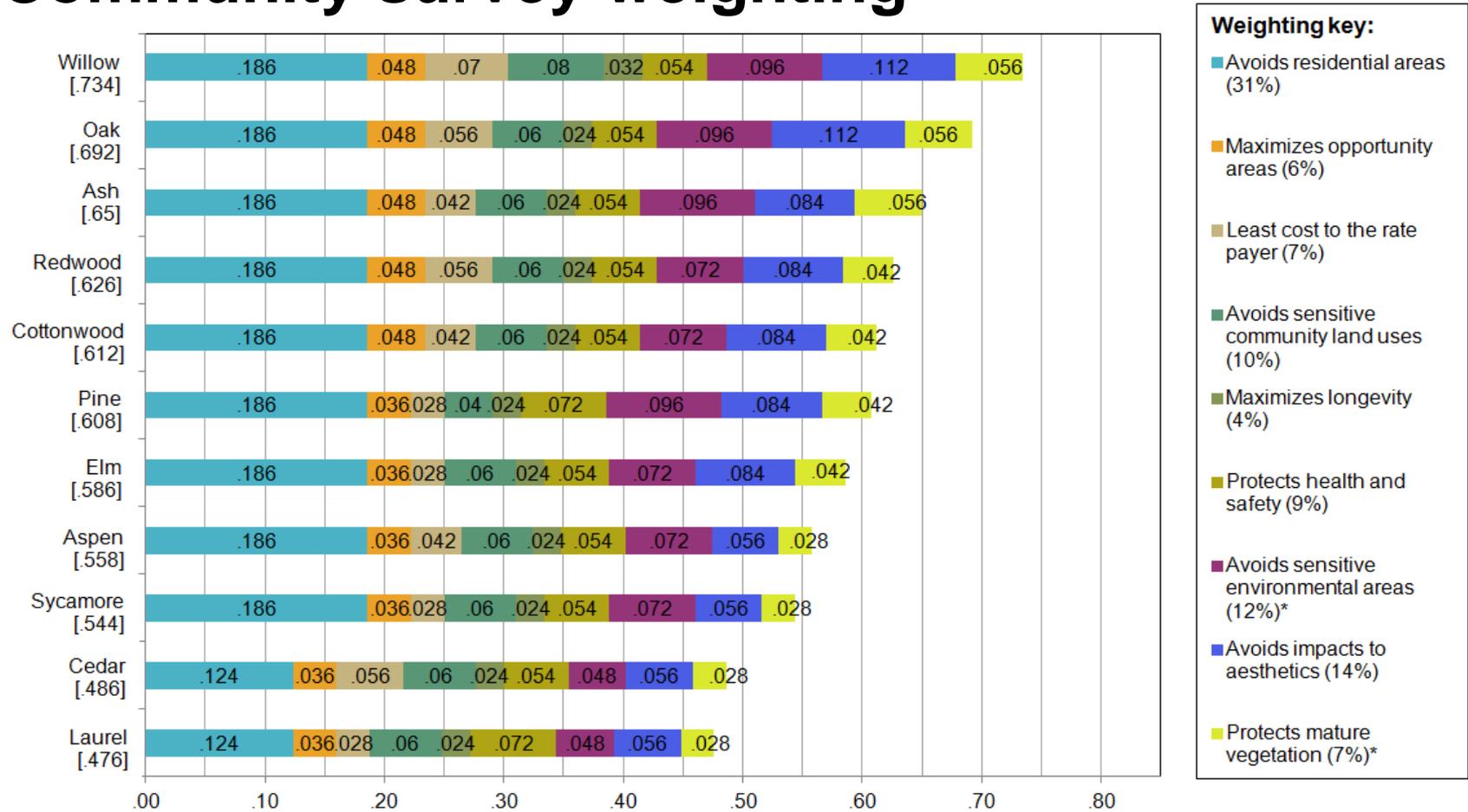
Updated advisory group weighting



Note: After the meeting, the MODA evaluation results for the advisory group weighting were updated. The results presented at the meeting were inaccurate due to a rounding error with the software.

Results of the MODA evaluation

Community survey weighting



* Note: Transparent Choice, the online MODA software used to compile and calculate results, can only use weighting values that are whole numbers. As a result, the evaluation factors "Avoids sensitive environmental areas" and "Protects mature vegetation" were rounded to the nearest whole number.

Sensitivity analysis

- MODA provides results
- Sensitivity analysis = “gut check” of the results to ensure the software output matches group’s values
- How increasing/decreasing weightings impact the results

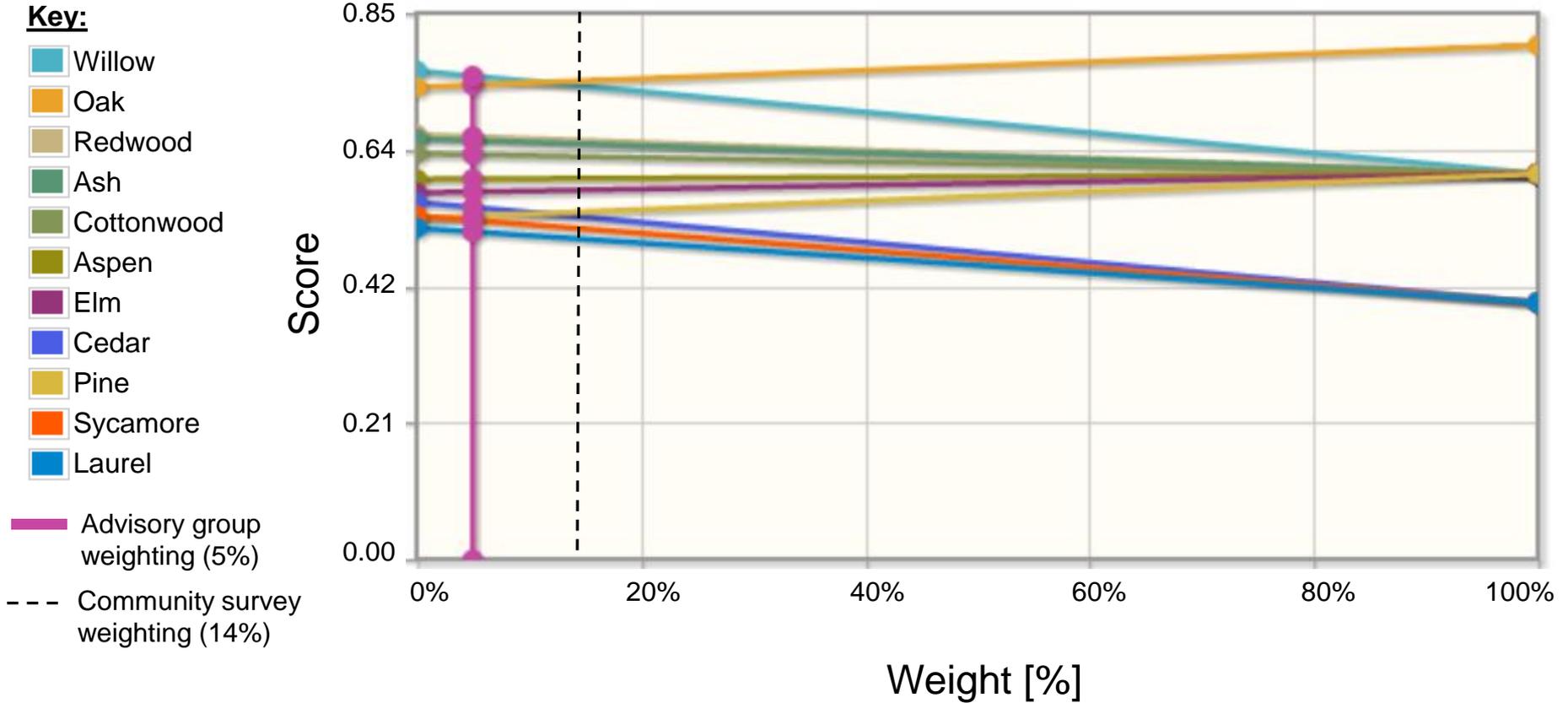
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Sensitivity analysis

Avoids impacts to aesthetics

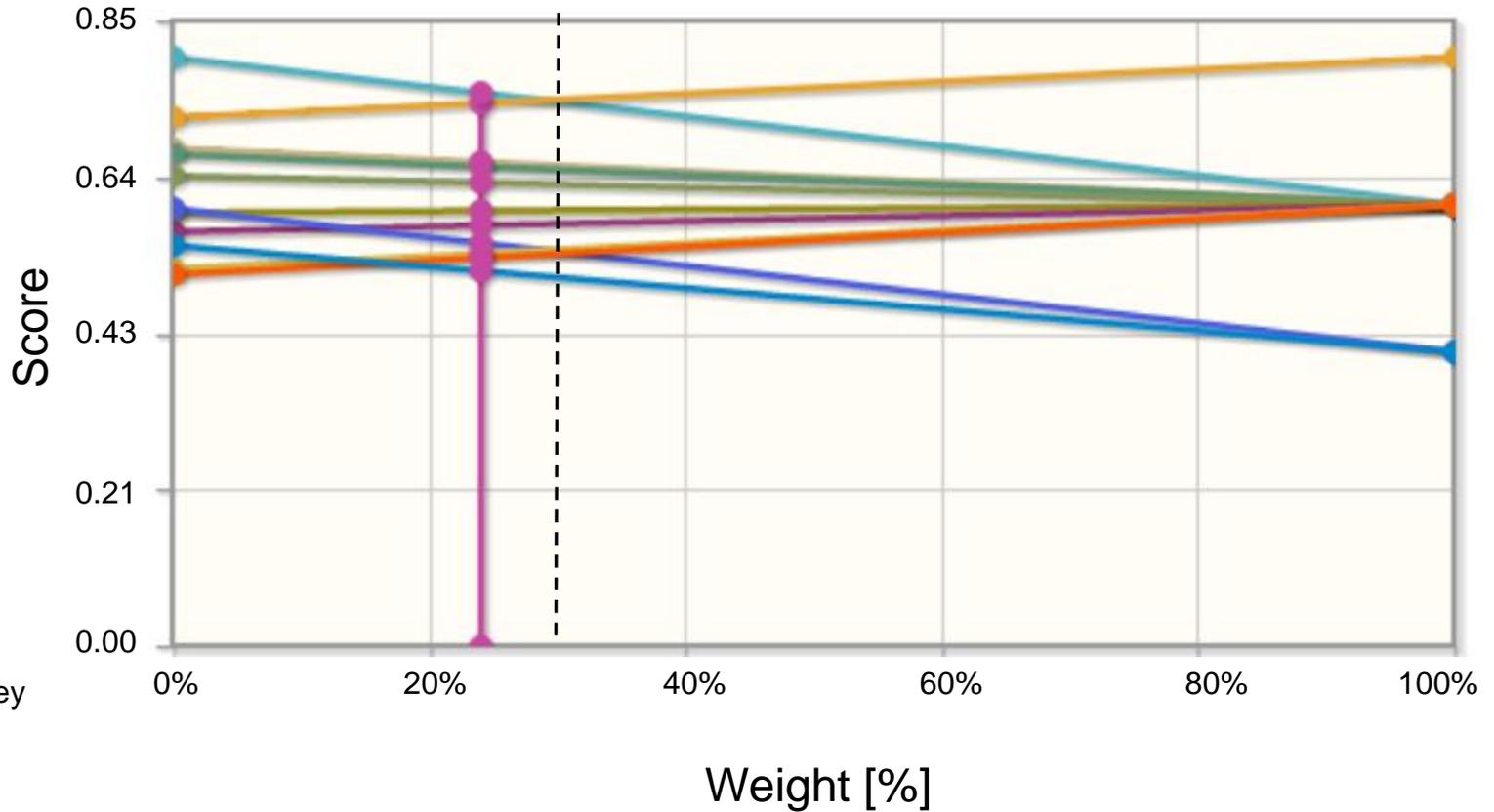


Sensitivity analysis

Avoids residential areas

Key:

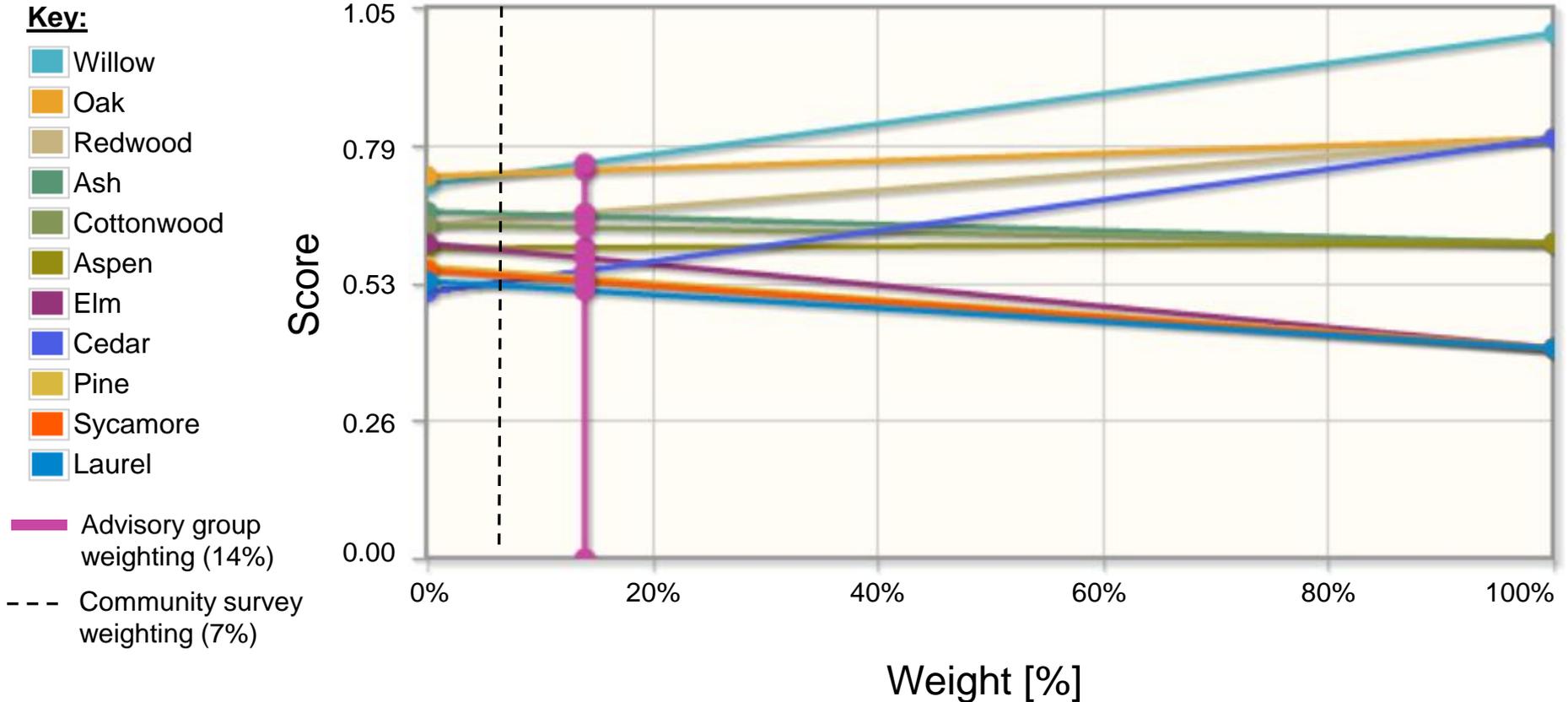
- Willow
- Oak
- Redwood
- Ash
- Cottonwood
- Aspen
- Elm
- Cedar
- Pine
- Sycamore
- Laurel



- Advisory group weighting (24%)
- Community survey weighting (31%)

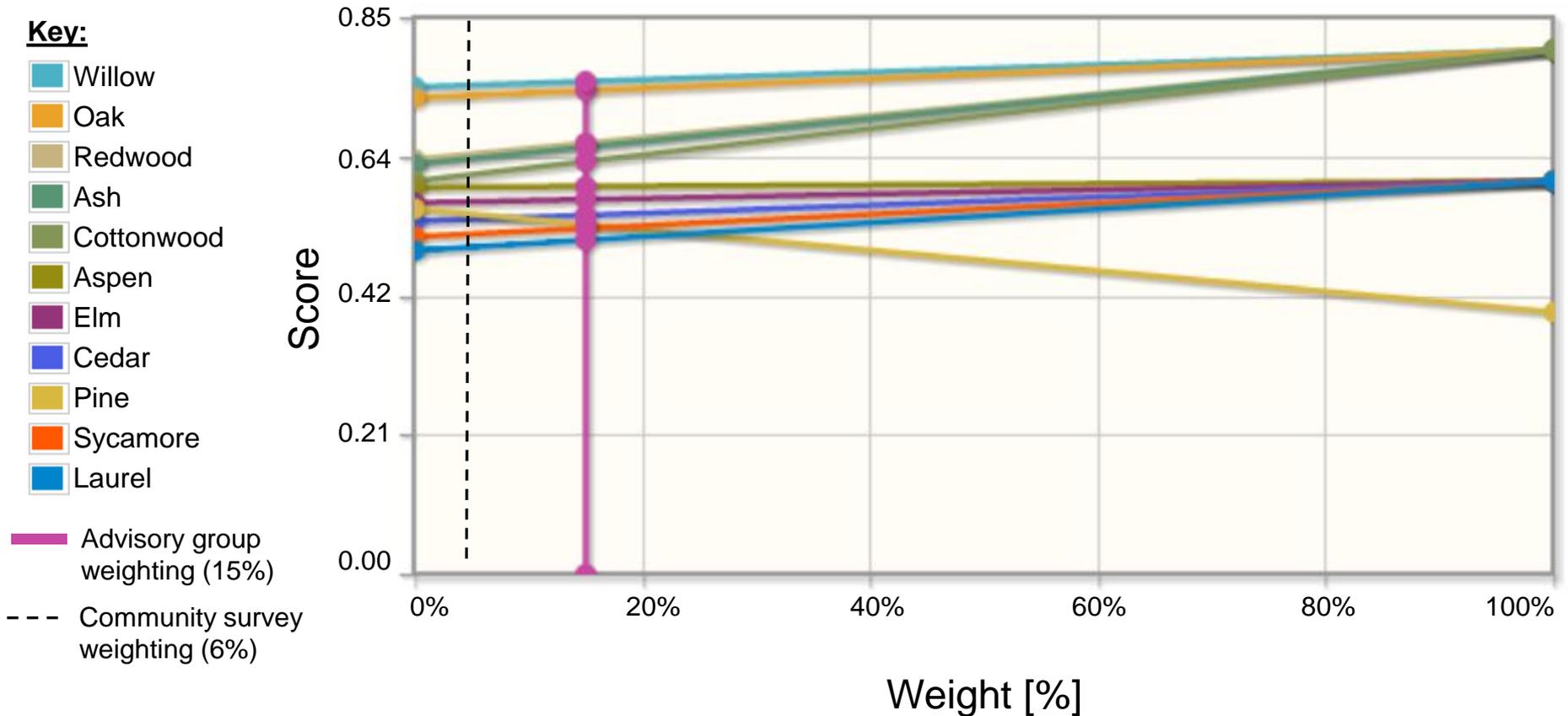
Sensitivity analysis

Least cost to rate payer



Sensitivity analysis

Maximizes opportunity areas

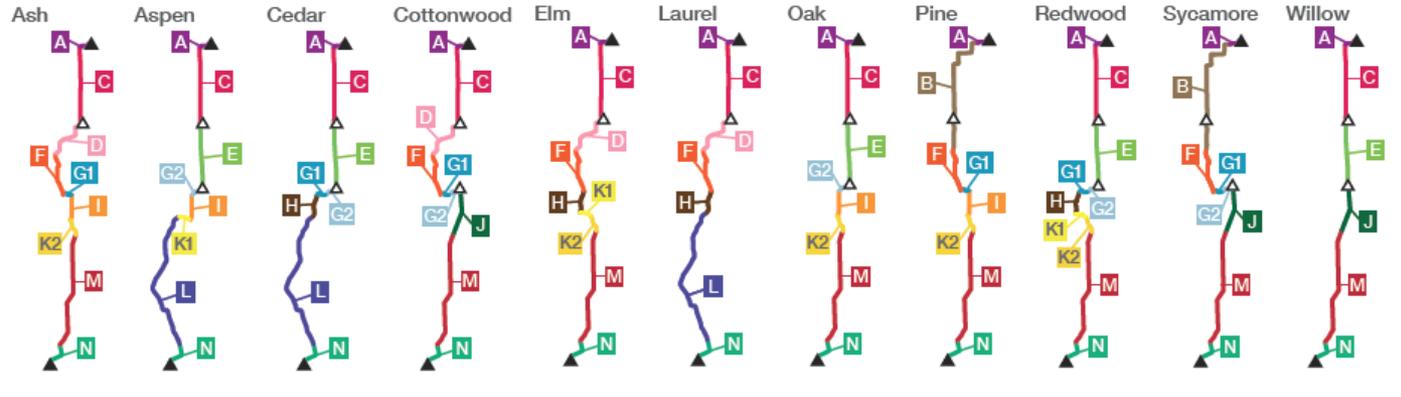


Recommendation discussion

Selecting recommended route(s)



ROUTE OPTIONS



ROUTE OPTION(S) to recommend

Substation selection

Based on:

- Route, and
- What works best electrically for the system

Sample 230 kV Substation



Sharing your recommendation

- What are your top comments or concerns about each recommended route option?
- Any other comments you want to share about the preliminary route recommendation?

Informing your recommendation

- Is there any specific type of feedback or information you'd like from the community that will help you make your final recommendation?

Recommendation report

- Introduction
- Project background
- About the Community Advisory Group
- Community Advisory Group activities
- Community involvement
- Recommendations of the Community Advisory Group
- Signature page

Next steps

- **Open Houses in November**
 - The public will review the advisory group's preliminary route recommendation and provide feedback
- **Meeting #6 on Dec. 10**
 - Review community feedback on recommendation
 - Finalize recommendation for PSE to consider

Public comment

Upcoming meetings

■ **November Open Houses**

- Wednesday, Nov. 12, 6:00 to 8:00 p.m. at Renton Technical College
- Thursday, Nov. 13, 6:00 to 8:00 p.m. at Redmond Marriott Town Center

■ **Community Advisory Group Meeting #6**

Wednesday, Dec. 10, *location TBD*

Thank you!