

User:

Plan Name: **AL\_2021\_Enacted\_Congress**Plan Type: **Congress**

## Measures of Compactness Report

Monday, December 20, 2021

8:39 AM

|           | <b>Reock</b> | <b>Polsby-Popper</b> | <b>Area/Convex Hull</b> | <b>Schwartzberg</b> |
|-----------|--------------|----------------------|-------------------------|---------------------|
| Mean      | 0.38         | 0.22                 | 0.72                    | 1.95                |
| Min       | 0.30         | 0.15                 | 0.61                    | 1.68                |
| Max       | 0.50         | 0.32                 | 0.80                    | 2.28                |
| Std. Dev. | 0.07         | 0.06                 | 0.07                    | 0.21                |
| Sum       |              |                      |                         |                     |

Higher Number is Better

Lower Number is Better

| <b>District</b> | <b>Reock</b> | <b>Polsby-Popper</b> | <b>Area/Convex Hull</b> | <b>Schwartzberg</b> |
|-----------------|--------------|----------------------|-------------------------|---------------------|
| 1               | 0.40         | 0.20                 | 0.71                    | 1.98                |
| 2               | 0.50         | 0.26                 | 0.76                    | 1.78                |
| 3               | 0.36         | 0.25                 | 0.77                    | 1.79                |
| 4               | 0.36         | 0.19                 | 0.61                    | 2.09                |
| 5               | 0.30         | 0.32                 | 0.80                    | 1.68                |
| 6               | 0.31         | 0.15                 | 0.68                    | 2.28                |
| 7               | 0.43         | 0.19                 | 0.68                    | 2.04                |

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### Measures of Compactness Summary

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|                           |   |
|---------------------------|---|
| <b>Reock</b>              | The measure is always between 0 and 1, with 1 being the most compact.             |
| <b>Polsby-Popper</b>      | The measure is always between 0 and 1, with 1 being the most compact.             |
| <b>Area / Convex Hull</b> | The measure is always between 0 and 1, with 1 being the most compact.             |
| <b>Schwartzberg</b>       | The measure is usually greater than or equal to 1, with 1 being the most compact. |