# EXHIBIT G-1

User:
Plan Name: **APA_Remedial_Senate**
Plan Type: **Senate**

# Measures of Compactness Report

Monday, December 11, 2023 1:14 PM

| | Reock | Polsby-Popper |
|---|---|---|
| Sum | N/A | N/A |
| Min | 0.17 | 0.11 |
| Max | 0.68 | 0.50 |
| Mean | 0.42 | 0.28 |
| Std. Dev. | 0.10 | 0.08 |

| District | Reock | Polsby-Popper |
|---|---|---|
| 001 | 0.49 | 0.31 |
| 002 | 0.47 | 0.22 |
| 003 | 0.39 | 0.21 |
| 004 | 0.47 | 0.27 |
| 005 | 0.17 | 0.21 |
| 006 | 0.41 | 0.24 |
| 007 | 0.35 | 0.34 |
| 008 | 0.45 | 0.23 |
| 009 | 0.24 | 0.21 |
| 010 | 0.28 | 0.23 |
| 011 | 0.36 | 0.33 |

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|---|---|---|
| Sum | N/A | N/A |
| Min | 0.17 | 0.11 |
| Max | 0.68 | 0.50 |
| Mean | 0.42 | 0.28 |
| Std. Dev. | 0.10 | 0.08 |

| District | Reock | Polsby-Popper |
|---|---|---|
| 012 | 0.62 | 0.39 |
| 013 | 0.45 | 0.26 |
| 014 | 0.27 | 0.24 |
| 015 | 0.57 | 0.32 |
| 016 | 0.47 | 0.41 |
| 017 | 0.53 | 0.28 |
| 018 | 0.47 | 0.21 |
| 019 | 0.53 | 0.37 |
| 020 | 0.41 | 0.36 |
| 021 | 0.42 | 0.33 |
| 022 | 0.41 | 0.29 |
| 023 | 0.37 | 0.16 |
| 024 | 0.37 | 0.21 |
| 026 | 0.47 | 0.20 |

# Measures of Compactness Report



| | Reock | Polsby-Popper |
|---|---|---|
| Sum | N/A | N/A |
| Min | 0.17 | 0.11 |
| Max | 0.68 | 0.50 |
| Mean | 0.42 | 0.28 |
| Std. Dev. | 0.10 | 0.08 |

| District | Reock | Polsby-Popper |
|---|---|---|
| 027 | 0.50 | 0.46 |
| 029 | 0.40 | 0.29 |
| 030 | 0.60 | 0.41 |
| 031 | 0.37 | 0.38 |
| 032 | 0.29 | 0.21 |
| 033 | 0.40 | 0.22 |
| 034 | 0.42 | 0.39 |
| 035 | 0.35 | 0.23 |
| 037 | 0.49 | 0.37 |
| 038 | 0.34 | 0.11 |
| 039 | 0.17 | 0.13 |
| 040 | 0.51 | 0.34 |
| 041 | 0.53 | 0.28 |
| 042 | 0.48 | 0.32 |

# Measures of Compactness Report



| | Reock | Polsby-Popper |
|---|---|---|
| Sum | N/A | N/A |
| Min | 0.17 | 0.11 |
| Max | 0.68 | 0.50 |
| Mean | 0.42 | 0.28 |
| Std. Dev. | 0.10 | 0.08 |

| District | Reock | Polsby-Popper |
|---|---|---|
| 043 | 0.46 | 0.22 |
| 044 | 0.30 | 0.24 |
| 045 | 0.35 | 0.30 |
| 046 | 0.37 | 0.21 |
| 047 | 0.36 | 0.19 |
| 048 | 0.35 | 0.34 |
| 049 | 0.46 | 0.34 |
| 050 | 0.45 | 0.23 |
| 051 | 0.68 | 0.50 |
| 052 | 0.47 | 0.25 |
| 053 | 0.49 | 0.40 |
| 054 | 0.60 | 0.44 |
| 055 | 0.29 | 0.23 |
| 056 | 0.38 | 0.30 |

# Measures of Compactness Report



| | Reock | Polsby-Popper |
|---|---|---|
| Sum | N/A | N/A |
| Min | 0.17 | 0.11 |
| Max | 0.68 | 0.50 |
| Mean | 0.42 | 0.28 |
| Std. Dev. | 0.10 | 0.08 |

| District | Reock | Polsby-Popper |
|---|---|---|
| **C-17** | **0.43** | **0.26** |
| **E-25-C-17** | **0.51** | **0.24** |
| **E-35** | **0.38** | **0.24** |

# Measures of Compactness Report



Measures of Compactness Summary

| | |
|---|---|
| **Reock** | The measure is always between 0 and 1, with 1 being the most compact. |
| **Polsby-Popper** | The measure is always between 0 and 1, with 1 being the most compact. |