

**Los Alamos County**  
**Department of Public Utilities**

**Electric Distribution**  
**Reliability**

December, 2025

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Acting Deputy Utility Manager  
Electric Distribution

|                                                   |                    |                      |
|---------------------------------------------------|--------------------|----------------------|
| <b><u>Total # Accounts</u></b>                    | <b>9045</b>        | <b>-</b>             |
| <b><u>Total Interruptions</u></b>                 | <b>30</b>          | <b>-</b>             |
| <b><u>Sum Customer Interruption Durations</u></b> | <b>14101:41:00</b> | <b>hours:min:sec</b> |
| <b><u>#Customers Interrupted</u></b>              | <b>7568.0</b>      |                      |
| <b>SAIFI</b>                                      | <b>0.84</b>        | <b>int./cust.</b>    |
| <b>SAIDI</b>                                      | <b>1:33</b>        | <b>hours:min</b>     |
| <b>CAIFI</b>                                      | <b>0.396%</b>      |                      |
| <b>CAIDI</b>                                      | <b>1:51</b>        | <b>hours:min</b>     |
| <b>ASAI</b>                                       | <b>99.3193%</b>    |                      |

- **SAIFI - System Average Interruption Frequency Index**  
A measure of interruptions per customer (Per Year)

$$\text{SAIFI} = \frac{(\text{Total number of customer interruptions})}{(\text{Total number of customers served})}$$

- **SAIDI – System Average Interruption Duration Index**  
A measure of outage time per customer if all customers were out at the same time (hours per year)

$$\text{SAIDI} = \frac{(\text{Sum of all customer outage durations})}{(\text{Total number of customers served})}$$

- **CAIDI – Customer Average Interruption Duration Index**  
A measure of the average outage duration per customer (hours per interruption)

$$\text{CAIDI} = \frac{(\text{Sum of all customer outage durations})}{(\text{Total number of customer interruptions})} = \frac{\text{SAIDI}}{\text{SAIFI}}$$

- **ASAI – Average System Availability Index**  
A measure of the average service availability (Per unit)  
$$\text{ASAI} = \frac{(\text{Service hours available})}{(\text{Customer demand hours})} = \frac{8760 - \text{SAIDI}}{8760}$$

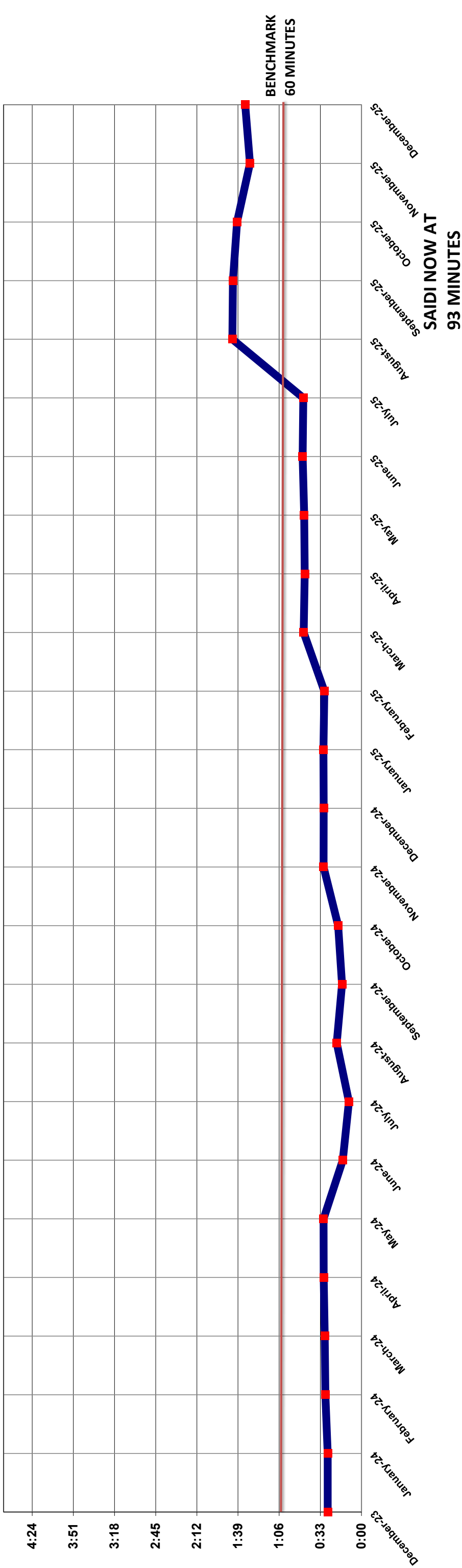




EACH POINT IS A MONTHLY SAIDI HISTORY  
60 MINUTES = LACDPU SAIDI BENCHMARK

SAIDI = STANDARD AVERAGE INTERRUPTION DURATION

SAIDI=  $\frac{\text{Sum of all customer outage durations}}{\text{Total number of customers served}}$



SAIDI NOW AT  
93 MINUTES

BENCHMARK  
60 MINUTES