

2021 Proposed EO STIP Metrics

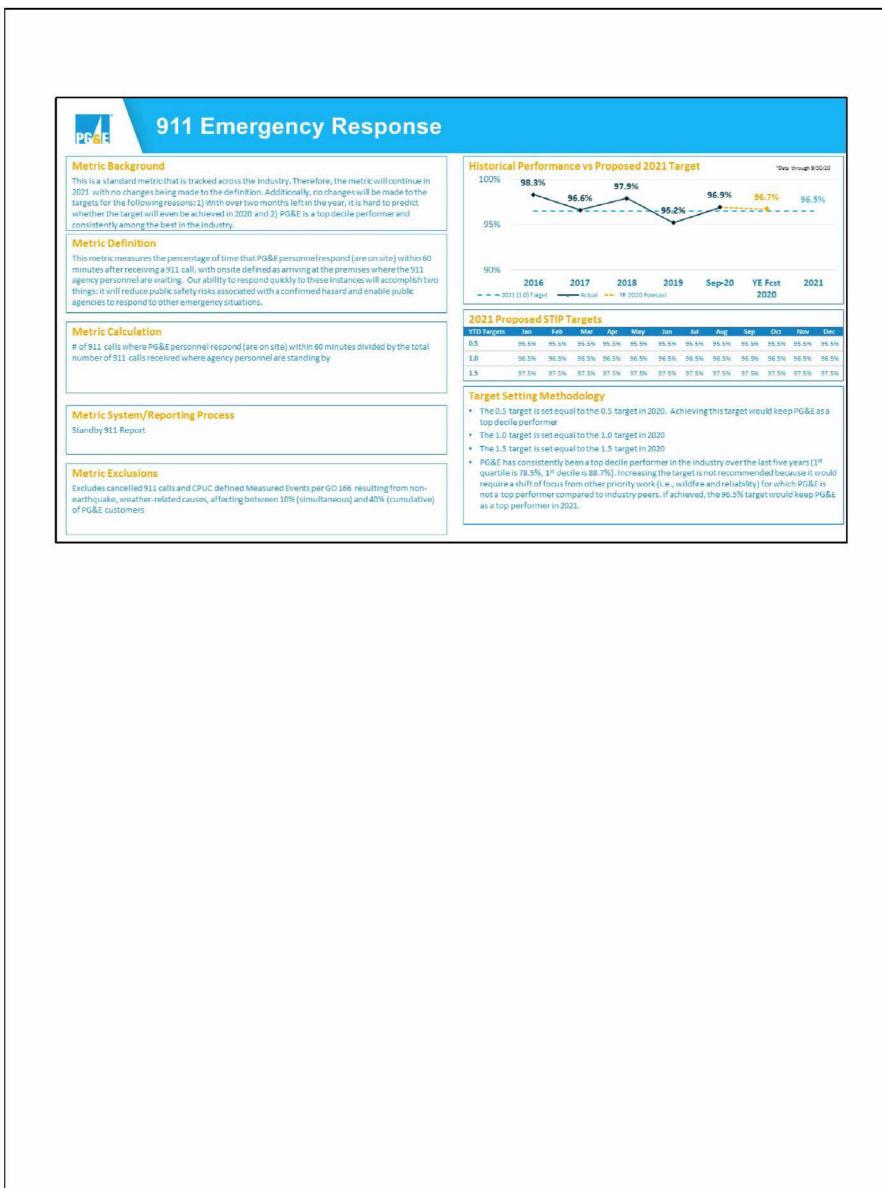
Updated 12/8/20

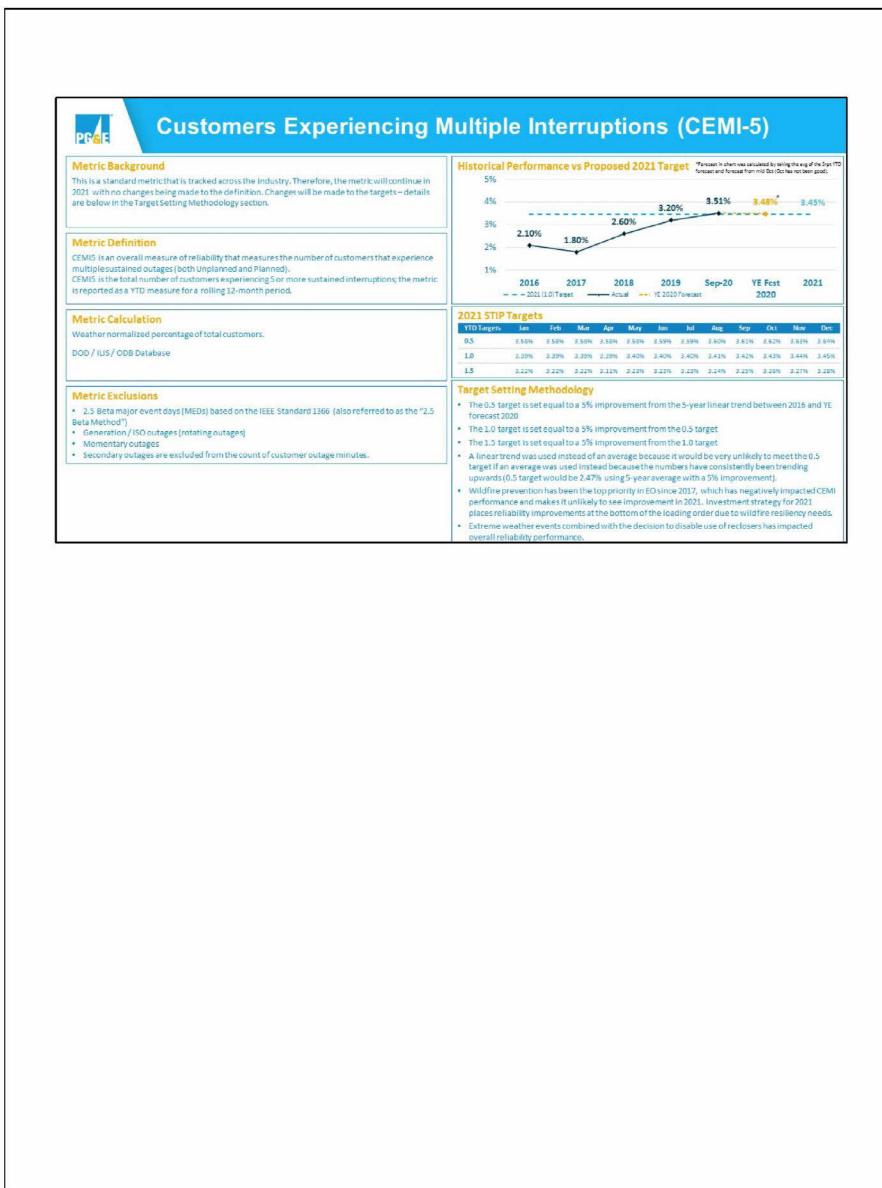


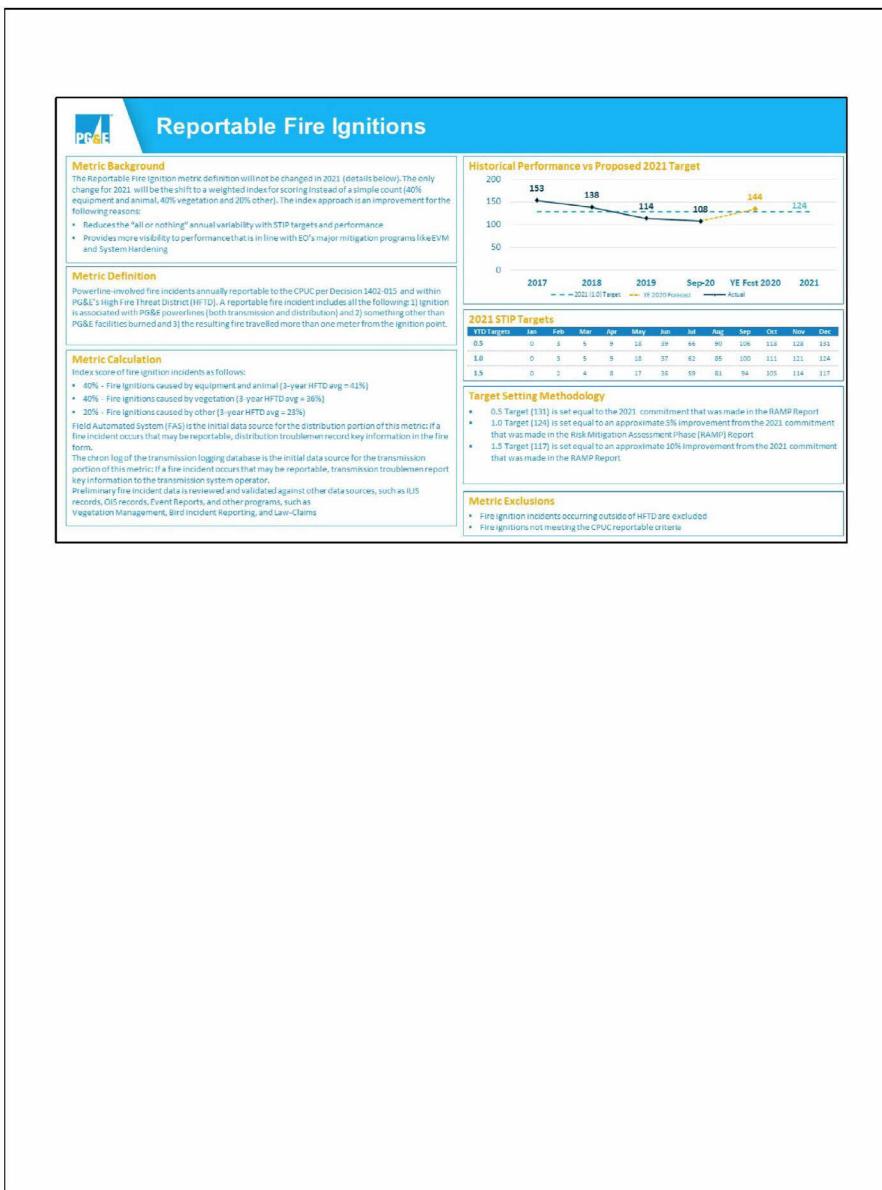
Together, Building
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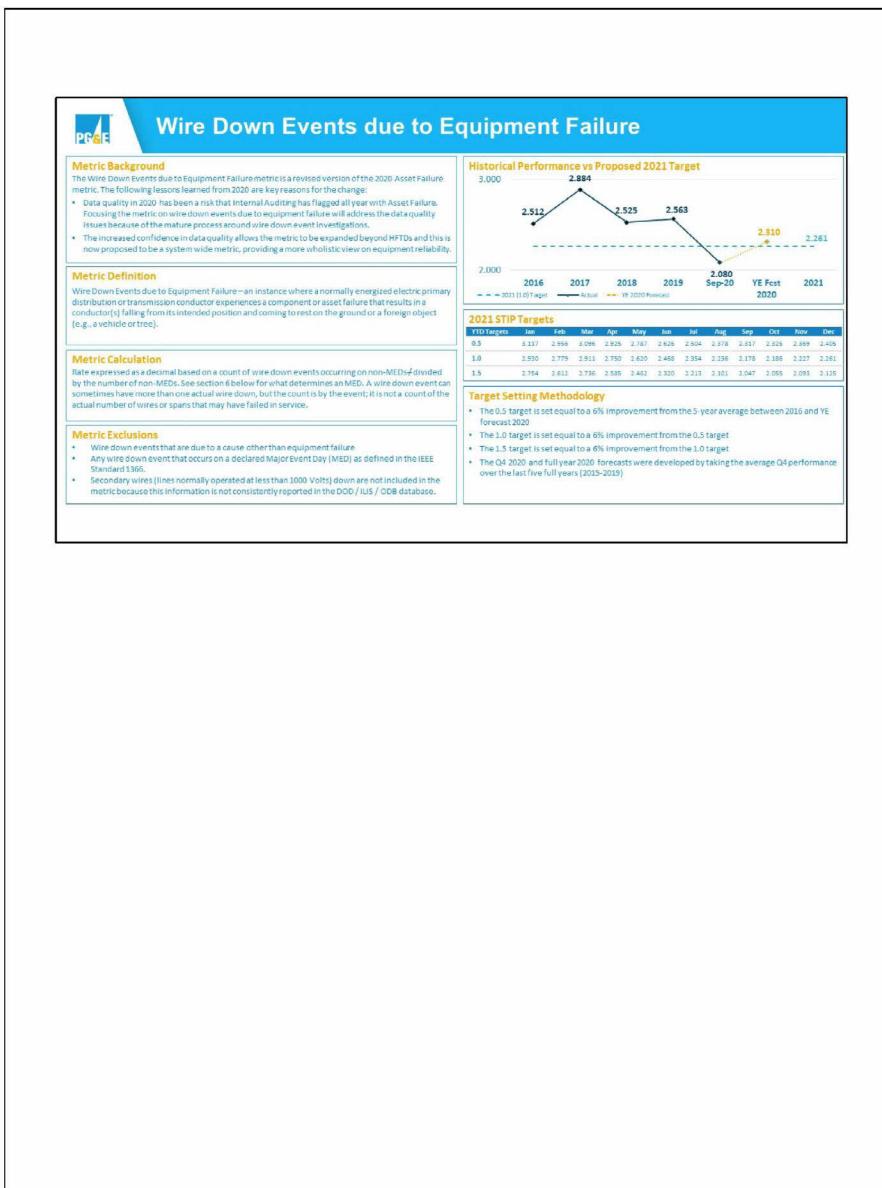
| Metric Overview | |
|--|--|
| Metric | Overview |
| 911 Emergency Response | <p>Definition: No changes from 2020 (industry standard metric)</p> <p>Targets: No changes from 2020 – PGE is a 1st decile performer and consistently among the best in the industry.</p> <p>Metric Details: Slide 3</p> |
| CEMI-5 | <p>Definition: No changes from 2020 (industry standard metric)</p> <p>Targets: Targets were set using a 5-year linear trend as the baseline. The 0.5 target is set equal to a 5% improvement from the 5-year linear trend. Reliability performance has been declining since wildfire prevention has become PGE's top priority.</p> <p>Metric Details: Slide 4</p> |
| Reportable Fire Ignitions | <p>Definition: Replacing simple count with an index approach</p> <p>Targets: Targets were set based on a 3-year average of data (Oct 2017 – Sept 2020). Ignition reduction % was taken from the RAMP Report to determine targets. The index is based on the following: 40% equipment and animal, 40% vegetation and 20% other.</p> <p>Metric Details: Slide 5</p> |
| Wire Down Events due to Equipment Failure | <p>Definition: Pivoting from all asset failures to failures that lead to a wire down event. Since the wire down investigation process is established, there is more confidence in the data quality. The increased confidence allows this metric to be expanded to systemwide. Also, changing calculation to rate instead of count to eliminate the need to forecast MCF's, which is difficult due to weather variability.</p> <p>Targets: Targets were set based on a 5-year average of data. A 6% improvement compared to the 5-year average was used to set the 0.5 target. The 1.0 target is a 6% improvement from the 1.0 target and the 1.5 target is a 6% improvement from the 1.0 target.</p> <p>Metric Details: Slide 6</p> |
| Capacity Project Execution | <p>Definition: New metric replacing Distribution Sectionalization. The proposed metric would be a count of capacity projects completed from a predetermined list of both carryover projects and new projects in 2021.</p> <p>Targets: There are no historical data points available for this metric, therefore there are no historical targets to reference.</p> <p>Metric Details: Slide 7</p> |

OUT OF SCOPE









Appendix



PGE

Wire Down Events due to Equipment Failure – Rate Example

Example:

The logic is if rate is used instead of count then the team will not have to try to predict the weather and count of MEDs in 2021.

- Our 5-year trend of wire down events due to equipment failure is 2.214. Meaning, for each non-MED we had about 2.214 wire down events due to equipment failure. If we are using that as a baseline for target setting, then the team would have to approximate how many MEDs we will have in 2021.

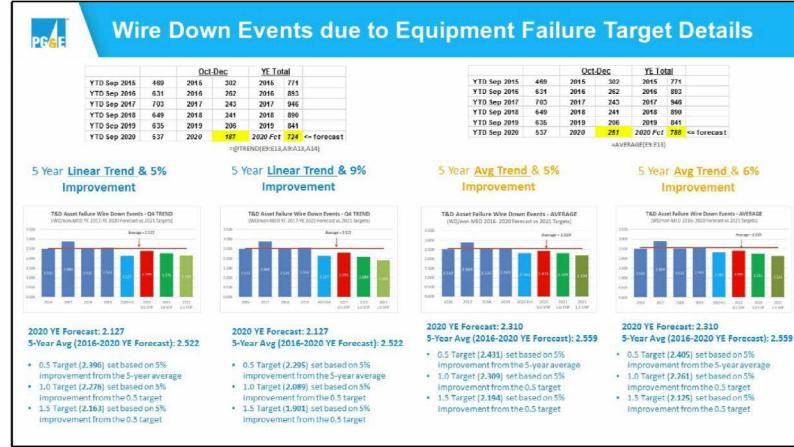
Example #1 – Setting a simple count target with many MEDs forecasted

- Weather forecast:** 31 MEDs in 2021 (similar to 2019). This results in 334 non MEDs.
- Target calculation:** Using the 5 year trend as the baseline (2.214), this would result in an estimated full year target of **739** wire down events due to equipment failure.

Example #2 – Setting a simple count target with few MEDs forecasted

- Weather forecast:** 7 MEDs in 2021 (similar to 2018). This results in 358 non MEDs.
- Target calculation:** Using the 5 year trend as the baseline (2.214), this would result in an estimated full year target of **793** wire down events due to equipment failure.

The difference in count between the two examples is 54 wire down events due to equipment failure. The only difference in the calculation is the count of forecasted MEDs. Given the variability we have experienced over the last 5 years, the team proposed going with the rate approach to avoid trying to forecast number of MEDs in 2021.





| Reportable Fire Ignitions Targets | | | | |
|-----------------------------------|----------------------|--|---|--------------------------------|
| 3 Year Historical Average | | | 2021 Ignition Reduction % (RAMP Report) | |
| Category | Average Annual Total | | Category | 2021 % Reduction (RAMP Report) |
| Equipment & Animal(40%) | 54 | | Equipment & Animal(40%) | 1.55% |
| Vegetation(40%) | 47 | | Vegetation(40%) | 2.01% |
| Other(20%) | 31 | | Other(20%) | 1.37% |
| Total | 131 | | Total | 1.76% |

| 2021 0.5 Targets | | | | |
|------------------|--------------------------|------------------|-------------|-------|
| Month | Equipment & Animal (40%) | Vegetation (40%) | Other (20%) | Total |
| Jan | 0 | 0 | 0 | 0 |
| Feb | 1 | 2 | 0 | 3 |
| Mar | 1 | 0 | 1 | 2 |
| Apr | 1 | 2 | 1 | 4 |
| May | 3 | 3 | 3 | 9 |
| Jun | 7 | 10 | 4 | 21 |
| Jul | 9 | 15 | 3 | 27 |
| Aug | 8 | 11 | 5 | 24 |
| Sep | 7 | 5 | 4 | 16 |
| Oct | 5 | 5 | 2 | 12 |
| Nov | 5 | 2 | 5 | 10 |
| Dec | 1 | 1 | 1 | 5 |
| Total | 48 | 56 | 27 | 131 |

| 2021 1.0 Targets | | | | |
|------------------|--------------------------|------------------|-------------|-------|
| Month | Equipment & Animal (40%) | Vegetation (40%) | Other (20%) | Total |
| Jan | 0 | 0 | 0 | 0 |
| Feb | 1 | 2 | 0 | 3 |
| Mar | 1 | 0 | 1 | 2 |
| Apr | 1 | 2 | 1 | 4 |
| May | 3 | 3 | 3 | 9 |
| Jun | 6 | 9 | 4 | 19 |
| Jul | 9 | 14 | 2 | 25 |
| Aug | 8 | 10 | 5 | 23 |
| Sep | 6 | 5 | 4 | 15 |
| Oct | 4 | 8 | 2 | 11 |
| Nov | 5 | 2 | 5 | 10 |
| Dec | 1 | 1 | 1 | 5 |
| Total | 45 | 53 | 26 | 134 |

| 2021 1.5 Targets | | | | |
|------------------|--------------------------|------------------|-------------|-------|
| Month | Equipment & Animal (40%) | Vegetation (40%) | Other (20%) | Total |
| Jan | 0 | 0 | 0 | 0 |
| Feb | 1 | 1 | 0 | 2 |
| Mar | 1 | 0 | 1 | 2 |
| Apr | 1 | 2 | 1 | 4 |
| May | 3 | 3 | 3 | 9 |
| Jun | 6 | 9 | 4 | 19 |
| Jul | 8 | 13 | 2 | 23 |
| Aug | 7 | 10 | 5 | 22 |
| Sep | 6 | 4 | 3 | 13 |
| Oct | 4 | 5 | 2 | 11 |
| Nov | 5 | 2 | 2 | 9 |
| Dec | 1 | 1 | 1 | 5 |
| Total | 43 | 50 | 24 | 117 |

| RAMP Data for Ignition Target Setting | | |
|---------------------------------------|-------------|---------------|
| | % Frequency | YoY Reduction |
| Aggregated | 100% | 1.7% |
| Vegetation | 43% | 2.0% |
| Equip Failure | 26% | 1.6% |
| 3rd Party | 17% | 1.3% |
| Animal | 10% | 1.5% |
| Unk or Other | 4% | 1.5% |
| CC - Seismic Scenario | 0% | 0.1% |
| | | |
| Weight | Scenario1 | |
| Vegetation | 43% | 2.01% |
| Equip Failure+ Animal | 36% | 1.53% |
| All Other | 21% | 1.37% |
| Total | 100% | 1.70% |
| | | |
| Weight | Scenario2 | |
| Vegetation | 43% | 2.01% |
| Equip Failure | 26% | 1.56% |
| All Other | 31% | 1.40% |
| Total | 100% | 1.70% |