

# EEI Member Company GHG Reduction Goals (10-17-18)

| COMPANY                                              | GOAL                                                                                                                                                                                                                      |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>AEP</u><br>(February 2018)                        | <ul style="list-style-type: none"> <li>60% below 2000 levels by 2030</li> <li>80% below 2000 levels by 2050</li> </ul>                                                                                                    |
| <u>AES</u><br>(April 2018)                           | <ul style="list-style-type: none"> <li>Reduce carbon intensity 50% from 2016 to 2030</li> </ul>                                                                                                                           |
| <u>Alliant</u><br>(August 2018)                      | <ul style="list-style-type: none"> <li>40% below 2005 by 2030</li> <li>80% below 2005 by 2050</li> </ul>                                                                                                                  |
| <u>Ameren</u><br>(September 2017)                    | <ul style="list-style-type: none"> <li>35% below 2005 levels by 2030</li> <li>50% below 2005 levels by 2040</li> <li>80% below 2005 levels by 2050</li> </ul>                                                             |
| <u>AVANGRID</u><br>(2016)                            | <ul style="list-style-type: none"> <li>Reduce CO<sub>2</sub> intensity 25% below 2015 levels by 2020</li> <li>100% carbon neutral by 2035</li> </ul>                                                                      |
| <u>CMS Energy</u><br>(February 2018)                 | <ul style="list-style-type: none"> <li>80% by 2040</li> </ul>                                                                                                                                                             |
| <u>Dominion</u><br>(March 2018)                      | <ul style="list-style-type: none"> <li>Reduce carbon intensity 50% below 2000 levels by 2030</li> </ul>                                                                                                                   |
| <u>DTE Energy</u><br>(May 2017)                      | <ul style="list-style-type: none"> <li>30% below 2005 levels by the early 2020s</li> <li>45% below 2005 levels by 2030</li> <li>75% below 2005 levels by 2040</li> <li>More than 80% below 2005 levels by 2050</li> </ul> |
| <u>Duke Energy</u><br>(March 2017)                   | <ul style="list-style-type: none"> <li>40% below 2005 levels by 2030</li> </ul>                                                                                                                                           |
| <u>Entergy</u>                                       | <ul style="list-style-type: none"> <li>20% below 2000 levels through 2020</li> </ul>                                                                                                                                      |
| <u>Exelon #</u><br>(2018)                            | <ul style="list-style-type: none"> <li>Additional 15% below 2015 levels by 2022 (operations-driven emissions)</li> </ul>                                                                                                  |
| <u>FirstEnergy</u>                                   | <ul style="list-style-type: none"> <li>90% below 2005 levels by 2045</li> </ul>                                                                                                                                           |
| <u>Green Mountain Power</u><br>(January 2018)        | <ul style="list-style-type: none"> <li>Eliminate &gt;8,000 metric tons of CO<sub>2</sub>/year for next 20 years</li> </ul>                                                                                                |
| <u>Idaho Power</u><br>(May 2017)                     | <ul style="list-style-type: none"> <li>Reduce CO<sub>2</sub> intensity 15%-20% below 2005 levels through 2020</li> </ul>                                                                                                  |
| <u>Madison Gas &amp; Electric</u><br>(November 2015) | <ul style="list-style-type: none"> <li>40% below 2005 levels by 2030</li> <li>80% below 2005 levels by 2050</li> </ul>                                                                                                    |
| <u>Minnesota Power</u>                               | <ul style="list-style-type: none"> <li>30% below 2005 levels by 2025</li> </ul>                                                                                                                                           |
| <u>Montana-Dakota Utilities</u><br>(2017)            | <ul style="list-style-type: none"> <li>Reduce GHG intensity 45% below 2005 levels by 2030</li> </ul>                                                                                                                      |

# As of 2017, company had reduced CO<sub>2</sub> emissions rate to 108 lbs./MWh.

| COMPANY                                               | GOAL                                                                                                                                                          |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <u>National Grid</u><br>(June 2018)                   | <ul style="list-style-type: none"> <li>45% below 1990 levels by 2020</li> <li>70% below 1990 levels by 2030</li> <li>80% below 1990 levels by 2050</li> </ul> |
| <u>NextEra</u><br>(September 2018)                    | <ul style="list-style-type: none"> <li>Reduce CO<sub>2</sub> emissions rate &gt;65% below 2001 levels by 2021</li> </ul>                                      |
| <u>NiSource</u><br>(May 2017)                         | <ul style="list-style-type: none"> <li>50% below 2005 levels by 2025</li> </ul>                                                                               |
| <u>PG&amp;E</u><br>(July 2018)                        | <ul style="list-style-type: none"> <li>Reduce 1 million tons of GHGs from company operations through 2022</li> </ul>                                          |
| <u>Pinnacle West</u><br>(2017)                        | <ul style="list-style-type: none"> <li>Reduce CO<sub>2</sub> emissions rate to &lt;600 lbs./MWh by 2032</li> </ul>                                            |
| <u>PNM Resources</u><br>(April 2017)                  | <ul style="list-style-type: none"> <li>40% below 2012 levels by 2018</li> <li>60% below 2012 levels by 2030</li> <li>87% below 2012 levels by 2040</li> </ul> |
| <u>Portland General Electric</u><br>(February 2018)   | <ul style="list-style-type: none"> <li>More than 80% below 2010 levels by 2050</li> </ul>                                                                     |
| <u>PPL</u><br>(January 2018)                          | <ul style="list-style-type: none"> <li>70% below 2010 levels by 2050</li> </ul>                                                                               |
| <u>PSEG</u><br>(February 2018)                        | <ul style="list-style-type: none"> <li>Additional 13 million tons of CO<sub>2</sub>-e emissions by 2030 from 2005 levels</li> </ul>                           |
| <u>Puget Sound Energy</u><br>(December 2017)          | <ul style="list-style-type: none"> <li>Reduce carbon footprint 50% by 2040</li> </ul>                                                                         |
| <u>Southern California Edison *</u><br>(October 2017) | <ul style="list-style-type: none"> <li>40% below 1990 levels by 2030</li> <li>80% below 1990 levels by 2050</li> </ul>                                        |
| <u>Southern Company</u><br>(April 2018)               | <ul style="list-style-type: none"> <li>50% below 2007 levels by 2030</li> <li>Low- to no-carbon operations by 2050</li> </ul>                                 |
| <u>TVA</u>                                            | <ul style="list-style-type: none"> <li>60% below 2005 levels by 2020</li> <li>75% below 2005 levels by 2030</li> </ul>                                        |
| <u>Vectren</u><br>(2016)                              | <ul style="list-style-type: none"> <li>~60% below 2005 levels by 2024</li> </ul>                                                                              |
| <u>WEC Energy Group</u><br>(August 2018)              | <ul style="list-style-type: none"> <li>40% below 2005 levels by 2030</li> <li>80% below 2005 by 2050</li> </ul>                                               |
| <u>Xcel Energy</u><br>(2016)                          | <ul style="list-style-type: none"> <li>60% below 2005 levels by 2030</li> </ul>                                                                               |

\* Reflects or is in line with state-wide, economy-wide GHG reduction targets.

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