

Draft points to introduce the resolution on deploying advanced, innovative electric transmission technologies. The attached fact sheet contains statistics and data that support these points.

The resolution encourages state policymakers to support utility efforts to:

1. Investigate and consider proposing projects with new advanced transmission technologies to compare with conventional and traditional technologies demonstrating that state policymakers are receptive to innovative approaches;
2. Evaluate new transmission technologies to determine if they can cost-effectively ensure the continued reliable delivery of electricity while providing greater capacity and enhanced efficiency; and
3. Consider the ability of these technologies to reduce environmental and visual impacts on communities.
4. Help states achieve public policy goals on schedule

To address the following:

1. 200,000 miles of the nation's transmission 115-500kV circuits are aged, many of them 50-75 years old and should be replaced, upgraded, and modernized with higher capacity, more efficient, more operationally flexible and cost effective advanced technologies that are commercially available now.
2. More transmission capacity is needed to deliver energy from new generation sources.
3. The public is concerned about viewshed impacts which can be reduced by using more advanced technologies in existing transmission corridors as well as new corridors.
4. Reluctance by project developers to spend resources incorporating new technologies into projects if they believe that only familiar, traditional technologies will be accepted by regional transmission planners, independent system operators, and state public utility commissions and legislatures.
5. Legislators have an important role in facilitating the deployment of advanced technologies. They should:
 - a. Encourage project developers to use innovative technologies.
 - b. Encourage public service commissions and regional transmission organizations to compare the benefits of traditional and advanced technologies, and approve the technologies that are cost-effective on a cost per megawatt basis.
 - c. Consider adopting a version of the resolution in their own statehouses.