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Karen Blakelock, Policy Advisor
The Nature Conservancy in Maine
Karen.blakelock@tnc.org



Joint Standing Committee on State and Local Government

LD 1934— An Act to Promote Responsible Outdoor Lighting

Senator Baldacci, Representative Salisbury, and members of the Joint Standing Committee on State and Local Government, my name is Karen Blakelock, Policy Advisor for the Nature Conservancy in Maine. **I appreciate this opportunity to offer written comments in support of LD 1934.**

The Nature Conservancy (TNC) is a nonprofit conservation organization dedicated to conserving the lands and waters on which all life depends. Guided by science, we create innovative, on-the-ground solutions to our world's toughest challenges so that both nature and people can thrive. We work in more than 70 countries, and we use a collaborative approach that engages local communities, governments, the private sector, and other partners.

Our organization is committed to the dual threats of biodiversity loss and climate change. We have identified and mapped a connected network of climate resilient sites across the United States, which we call the Resilient and Connected Network (RCN). The tool is a road map of "core forests and connectors" that shows where plant and animal species have the best chance to move away from growing climate threats.

Maine has some of the highest value areas within our Resilient and Connected Network tool, which means we have some of the best landscapes for plant and animal species to shift and adapt. While the impact of artificial lighting on wildlife is relatively new and an area in need of more study, we know wildlife can be affected by it in two main ways – disorientation and attraction/repulsion. Artificial lighting can affect foraging and reproductive behavior, biological clocks, predator-prey interactions, movement and dispersal patterns, community structure, and interactions among and within species.

For these reasons, TNC supports additional attention and focus on the benefits of reducing artificial lighting and promoting dark sky efforts. LD 1934 would require some outdoor lighting to meet specific standards to reduce unnecessary light emitted and is an opportunity to protect Maine's dark skies by advancing the recommendations of experts from the American National Standards Institute and the Illuminating Engineering Society. We hope you will support LD 1934.

Thank you for the opportunity to comment and I am happy to answer questions at any time.