



## National Lieutenant Governors Association

### Resolution In Support of Sustainable Scrap Tire Management

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2 **WHEREAS** the members of the National Lieutenant Governors Association (NLGA) recognize many  
3 members play key roles in issues related to resource conservation, sustainability, reuse, and  
4 recycling in the United States and its territories, and

5 **WHEREAS** improperly managed or stockpiled tires can be costly to clean up and hazardous to the  
6 environment and public health, presenting a fire risk and ideal habitat for the breeding of  
7 mosquitoes carrying diseases such as Malaria, West Nile Virus, and Zika, and

8 **WHEREAS** the reduction of stockpiled scrap tires in the U.S., from over 1 billion in 1990 to 50 million  
9 in 2021, represents a success story in materials management<sup>1</sup>, and

10 **WHEREAS** the 2021 U.S. Scrap Tire Management Report compiled by the U.S. Tire Manufacturers  
11 Association found the U.S. generated 274 million scrap tires in 2021, representing 13 percent growth  
12 in scrap tire generation between 2019 and 2021<sup>2</sup>, and

13 **WHEREAS** beneficial end-use markets for scrap tires grew at 6 percent from 2019 to 2021<sup>3</sup>, and

14 **WHEREAS** the percentage of scrap tires consumed in beneficial end-use markets has dropped from  
15 a high of 96 percent in 2013 to 71 percent in 2021<sup>4</sup>, and

16 **WHEREAS** scrap tires are a valuable commodity that can be beneficially recycled into many cost-  
17 effective products<sup>5</sup>, including but not limited to pavement surfaces, lightweight aggregate and  
18 materials for civil engineering applications, flooring and molded and extruded products such as  
19 parking bumpers, mats, hoses, rollers, mud flaps and traffic-related products, and

20 **WHEREAS** adding ground rubber from scrap tires into asphalt has demonstrated performance,  
21 safety and environmental benefits including: longer lasting roads that crack and rut less than  
22 traditional asphalt, less road spray in wet weather, quieter pavement, and better grip<sup>6</sup>, and

23 **WHEREAS** researchers at Arizona State University found adding ground rubber into asphalt to  
24 produce rubber modified asphalt mitigates roadway runoff by reducing tire abrasion by 50 percent  
25 compared to concrete roadways<sup>7</sup>, and

26 **WHEREAS** rubber modified asphalt may be recycled indefinitely, forever diverting scrap tires from  
27 landfills, and

28 **WHEREAS** these benefits demonstrate the lifecycle impacts of the use of rubber modified asphalt as  
29 a sustainable pavement material which serves motorists, neighborhoods, state departments of  
30 transportation and the environment, and

31 **WHEREAS** the use of tire derived aggregate (large shreds of scrap tires) in stormwater infiltration  
32 galleries has been found by CalRecycle<sup>8</sup> and the University of Minnesota<sup>9</sup> to effectively reduce  
33 pollutants entering stormwater in urban areas, and

34 **WHEREAS** the use of ground tire rubber in rubber modified asphalt and the use of tire derived  
35 aggregate in stormwater infiltration galleries are two examples of innovative solutions to improve  
36 the resiliency of infrastructure, reduce lifecycle costs, and promote recycling of scrap tires, and

37 **WHEREAS** these benefits are primarily derived by state and local governments, which own over 90  
38 percent of non-defense public infrastructure assets<sup>10</sup> and pay 75 percent of the cost of maintaining  
39 and improving them<sup>11</sup>;

40 **NOW THEREFORE BE IT RESOLVED** that the NLGA recognizes the importance of sustainable scrap  
41 tire management.

42 **BE IT FURTHER RESOLVED** that the NLGA supports collaboration among state and territorial officials  
43 to increase awareness of the myriad usages for scrap tires as a solution to reduce the stockpiling of  
44 scrap tires in communities.

45 **BE IT FURTHER RESOLVED** that the NLGA supports a goal of 100 percent of scrap tires being  
46 sustainably managed.

47 **BE IT FURTHER RESOLVED** that the NLGA recognizes the importance of growing markets for recycled  
48 tire rubber and tire-derived products to ensure sustainable scrap tire management.

49 ADOPTED, this day, the 22<sup>nd</sup> of March, 2023.

50 Co-Sponsors: *TBD*

51 *Proposed for the docket by:* U.S. Tire Manufacturers Association, NLGA Partner

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<sup>1</sup> <https://www.ustires.org/sites/default/files/2022-10/21%20US%20Scrap%20Tire%20Management%20Report%20101722.pdf>; p. 15

<sup>2</sup> <https://www.ustires.org/sites/default/files/2022-10/21%20US%20Scrap%20Tire%20Management%20Report%20101722.pdf>; p. 7

<sup>3</sup> Ibid

<sup>4</sup> Ibid

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- <sup>5</sup> CalRecycle - Tire Derived Products: <https://calrecycle.ca.gov/buyrecycled/stateagency/categories/tdps/>
- <sup>6</sup> CalRecycle factsheet: GreenRoads – Paving the way with recycled tires: <https://www.calrecycle.ca.gov/docs/cr/tires/greenroads/factsheet.pdf>
- <sup>7</sup> Arizona State University for Arizona Department of Transportation: “Tire Wear Emissions for Asphalt Rubber and Portland Cement Concrete Pavement Surfaces” at 18, 19 (2006). <https://azdot.gov/sites/default/files/2019/05/tire-wear-emissions-for-asphalt-rubber-portland-cement-concrete-April2006.pdf>
- <sup>8</sup> CalRecycle Presentation “Civil Engineering Applications Using TDA” at 12, 16 (2017). [https://www.green-technology.org/gcsummit17/images/LID\\_with\\_TDA\\_tires\\_Joaquin\\_wright.pdf](https://www.green-technology.org/gcsummit17/images/LID_with_TDA_tires_Joaquin_wright.pdf)
- <sup>9</sup> University of Minnesota Report: “The Impact of Stormwater Infiltration Practices on Groundwater Quality” at 58 (2014). <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.739.3625&rep=rep1&type=pdf>
- <sup>10</sup> Center on Budget and Policy Priorities calculations of Bureau of Economic Analysis data on Fixed Assets, 2015.
- <sup>11</sup> Statement of Peter R. Orszag, Director, Congressional Budget Office, before the Committee on Finance, United States Senate, “Investing in Infrastructure,” July 10, 2008.