

WCT


HMEC
Highway Materials Engineering Course

Lesson 6: Hot Topics

Evaluating Recycled Materials for Beneficial Uses in Transportation Construction

U.S. Department of Transportation
Federal Highway Administration


MODULE
H




Lesson 6 Introduction

By the end of this lesson, you will be able to:

- Discuss new initiatives, emerging technology, trends, and issues that affect recycling
- Identify best practices from a variety of effective, in-use DOT programs
- Address emerging practices that might unintentionally affect environmental sustainability

 This lesson will take approximately 60 minutes to complete.



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MODULE H

HOT TOPICS

LESSON 6

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Hot Topics Affecting Recycling		
<ul style="list-style-type: none">• Regulatory changes• Supply streams for virgin and recycled materials• Fluctuating costs of related commodities• Program priority shifts due to funding• Domestic versus imported materials		
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Hot Topics Affecting Your State




- What is a hot topic related to recycling in your State?


 What is a hot topic related to recycling in your state? Identify the material and the issues involved.

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Hot Topics Affecting Recycling




- Fly ash





What impact would the classification of fly ash as a hazardous material have on your State's specifications and use?


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Hot Topics Affecting Recycling 

- High density polyethylene (HDPE)
- Wet process tire rubber modifiers




 If the cost of virgin materials decreases to the point of being less than recycling, how would your State approach the use of recycled materials?

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Best Practices 

- [FHWA Sustainable Pavements Program](#)
- [Green Highways Partnership](#)
- [Sustainable Highways Initiative](#)
- [Texas DOT Recycling Program](#)
- [Pennsylvania DOT Recycling Program](#)
- [North Carolina DOT Recycling Program](#)
- Industry Resources



 Please refer to each web link for more information.

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Congratulations!



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