

PENNDOT'S EPD PROGRAM & IMPLEMENTATION

DEAN SCHMITT, P.E. PENNDOT BUREAU OF MAINTENANCE - APRIL 16, 2025



Pennsylvania
Department of Transportation

PENNDOT BY THE NUMBERS



INTRODUCTION

- ❑ Team Members
- ❑ Where We Started 2023
- ❑ The Journey Through 2024
- ❑ Where We Are Now 2025
- ❑ Looking Ahead
- ❑ Challenges
- ❑ Questions



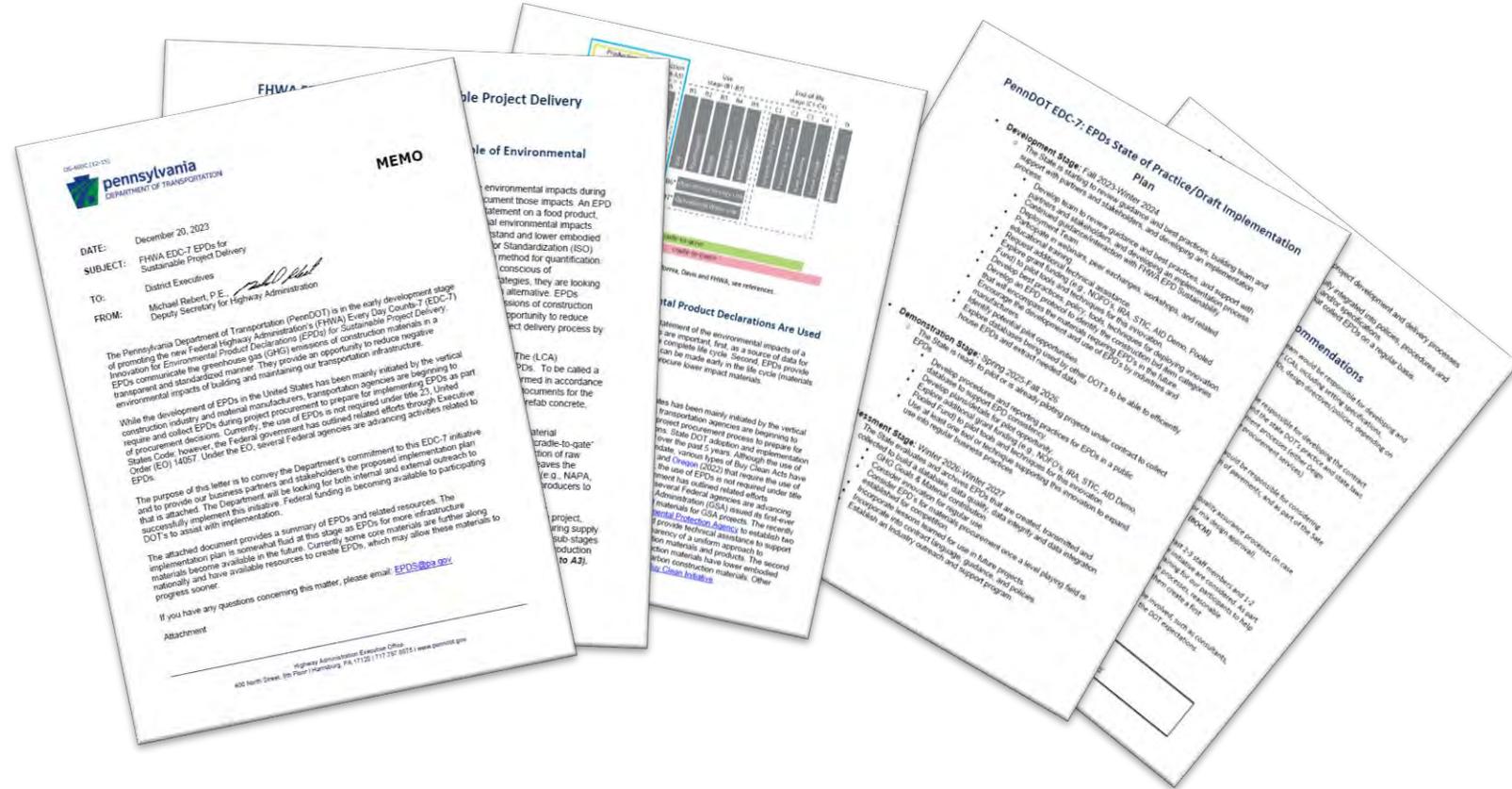
TEAM MEMBERS



WHERE WE STARTED 2023

Notifications to Districts and Asphalt Industry:

- ❑ FHWA EDC-7
- ❑ Summary of EPDs
- ❑ Draft Implementation Plan
- ❑ FHWA recommendations



THE JOURNEY THROUGH 2024



- ❑ **January:** Decided to collect EPDs for asphalt only.
- ❑ **Spring:** Mid-Atlantic EPD Coordination
- ❑ **Summer:** Notified Producers and industry.
- ❑ **Fall:** Hosted an outreach webinar
https://youtu.be/_5knEHTiX1s
- ❑ **Winter:**
 - ❑ Standard special provision and pay item.
 - ❑ Department guidance for JMF review / approval.
 - ❑ Bulletin 27, Update requiring EPD submissions.



WHERE WE ARE NOW 2025

IMPLEMENTATION

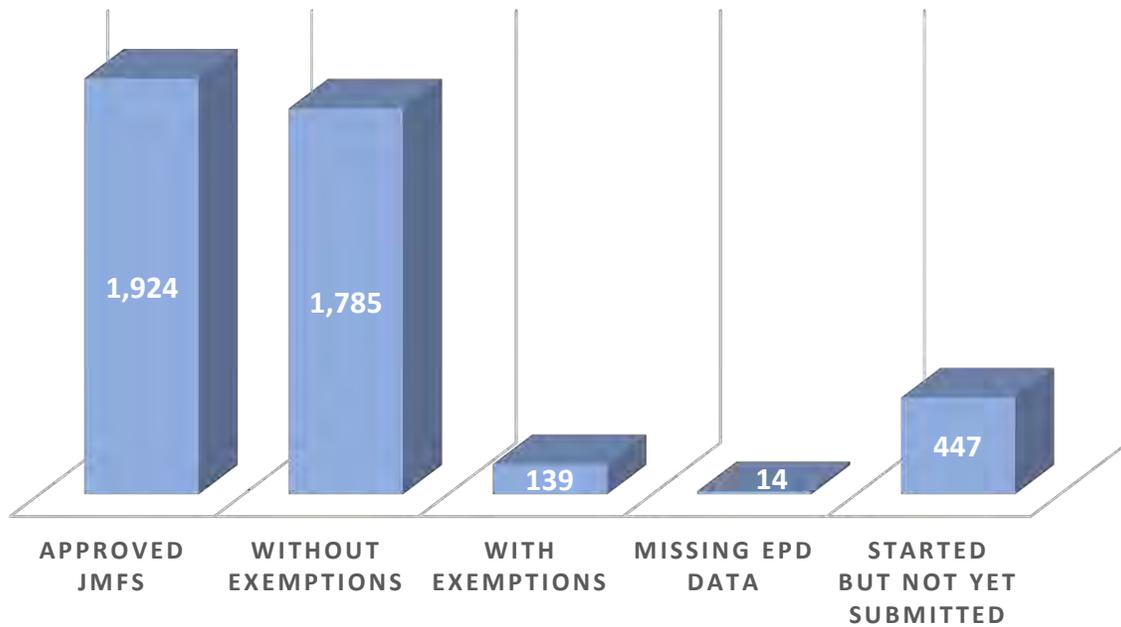
- ❑ Developed Frequently Asked Questions & Answers
- ❑ Bid packages include EPD Item & Special Provision
- ❑ PennDOT's eCAMMS is utilized to collect EPD data
- ❑ EPD collection started



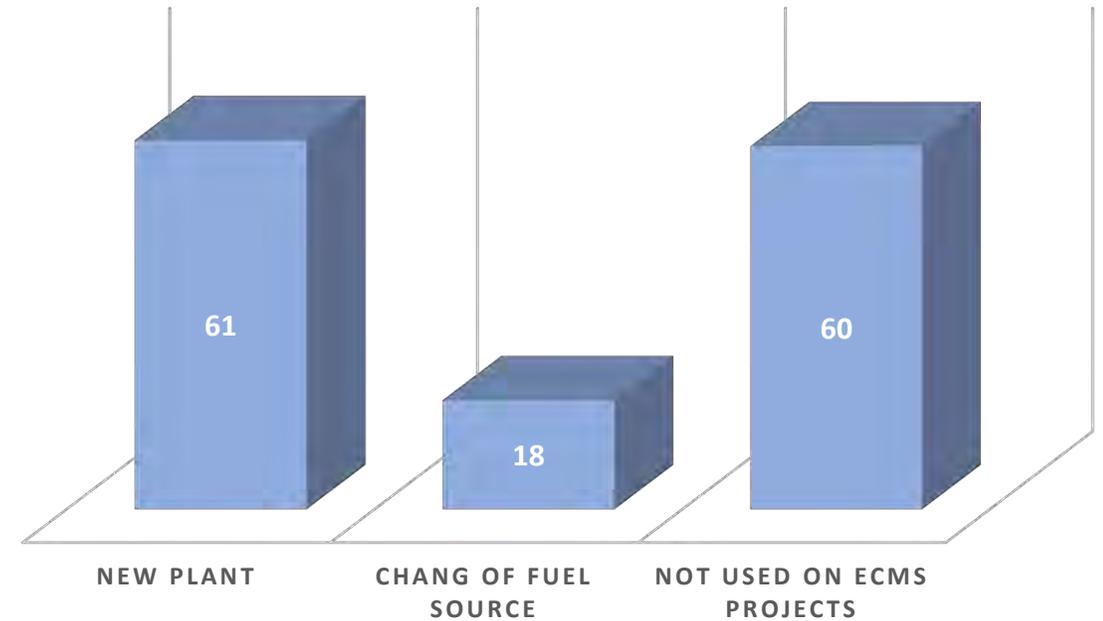
WHERE WE ARE NOW 2025

EPD COLLECTION AS OF APRIL 14th

ECAMMS ASPHALT JMF DATA



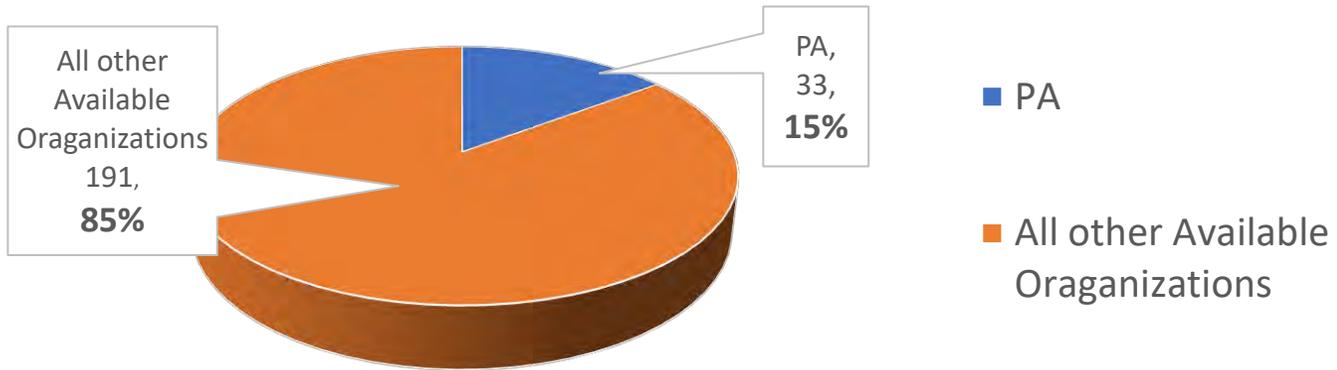
EXEMPTIONS



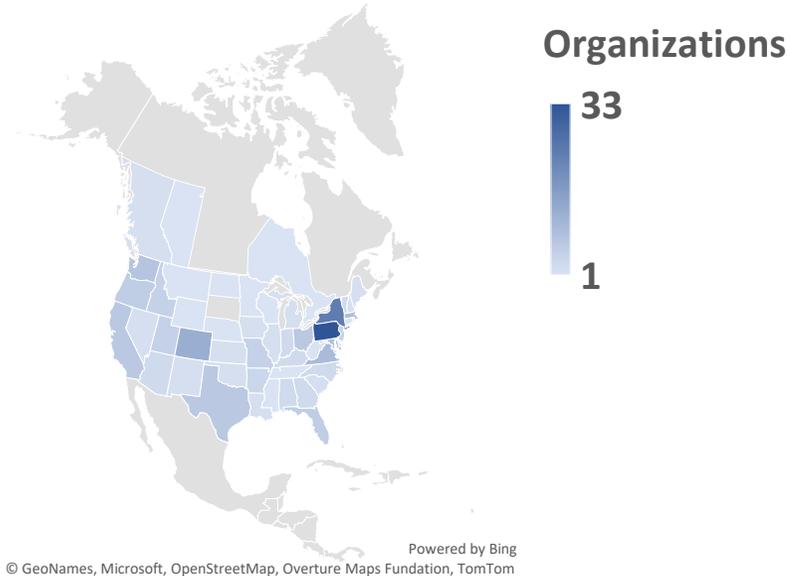
WHERE WE ARE NOW 2025

NAPA PUBLISHED EPD'S AS OF APRIL 14th

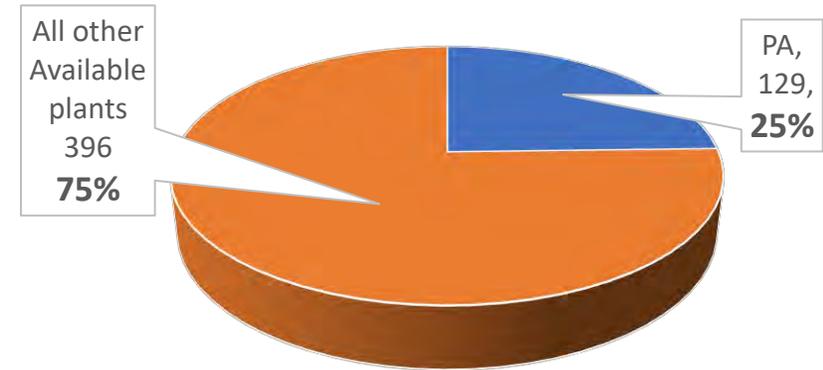
224 Total Available Organizations with an EPD



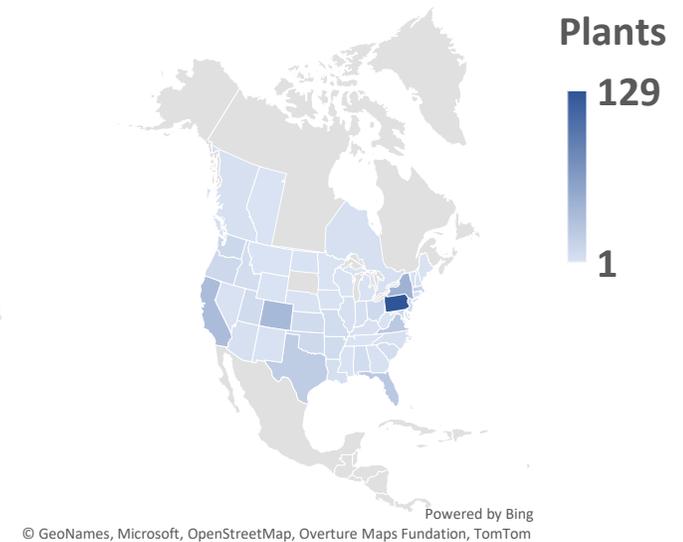
Number of Organizations



525 Total Available Plants with an EPD



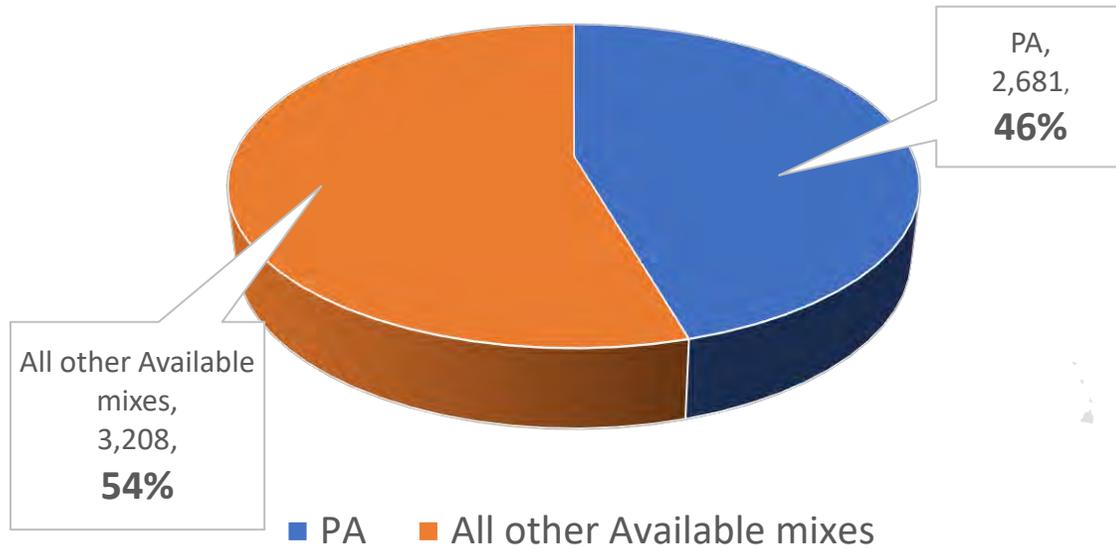
Number of Plants



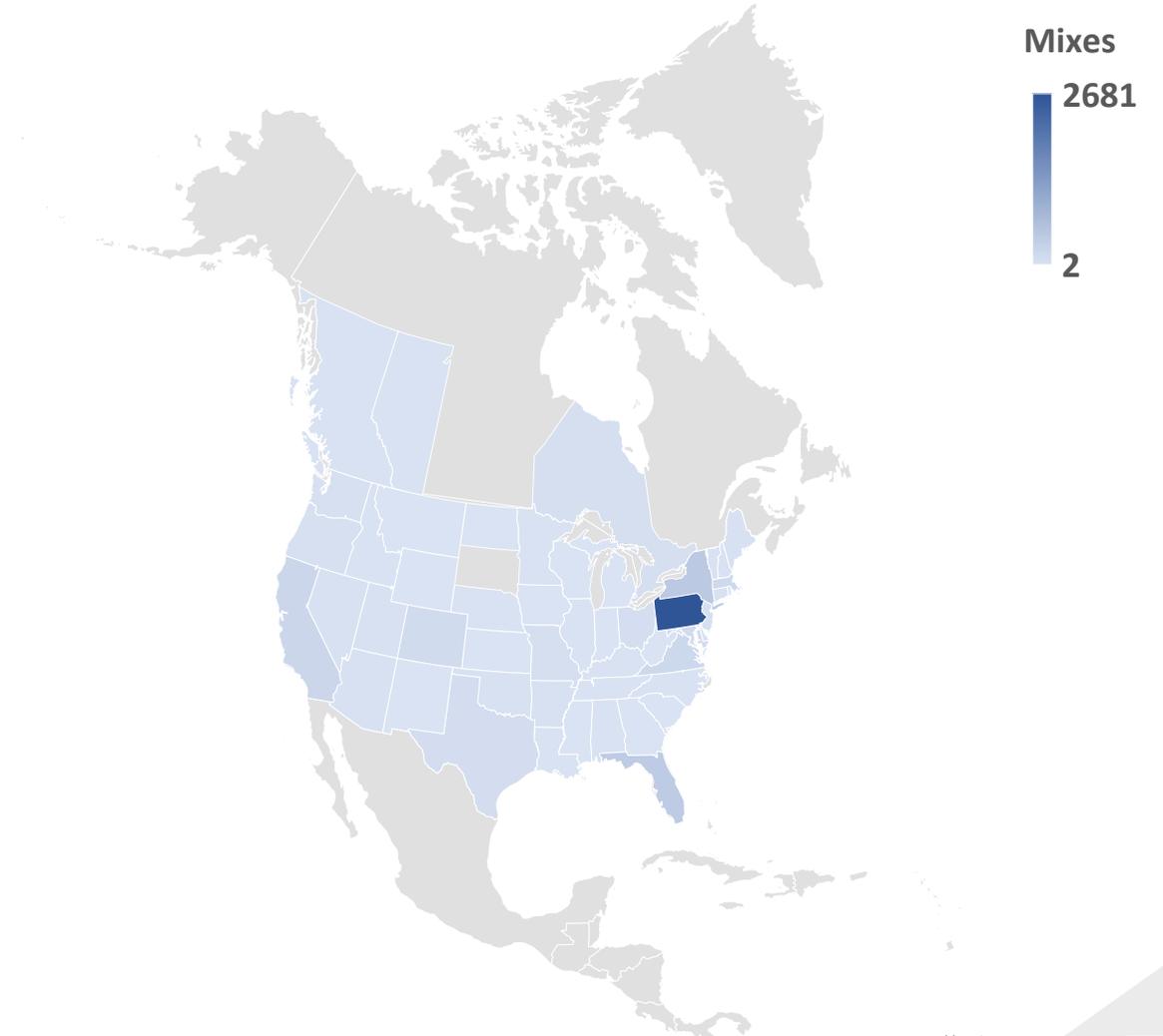
WHERE WE ARE NOW 2025

NAPA PUBLISHED EPD's AS OF APRIL 14th

5,889 Total Available Mixes with an EPD



Number of Mixes



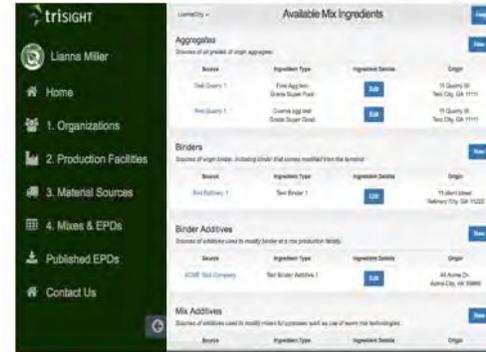
IN THE FUTURE

- ❑ EPD Data Integrity
- ❑ Evaluation of 2025 EPD Data
- ❑ Continue evaluating EPD's while Advancing Balanced Mix Design

Automated EPD Delivery

Plant Data

Parametric
Foreground
Data



Pennsylvania Department of Transportation
Riverside Materials Inc.

Agenc

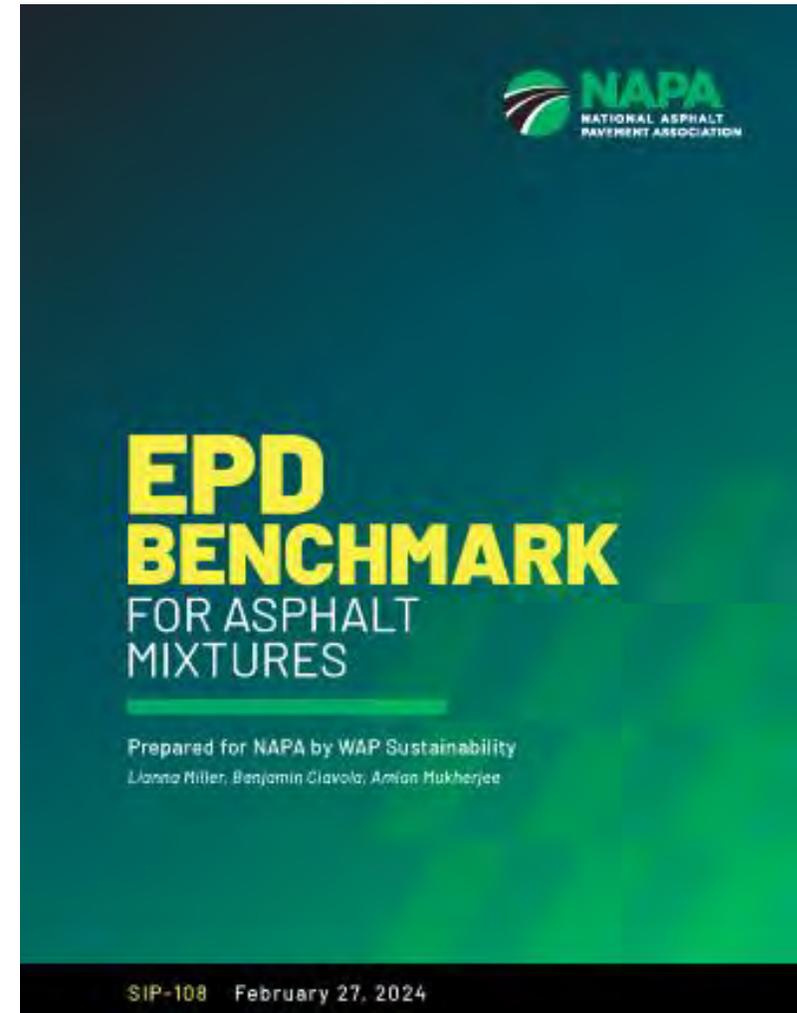
Published Mixes

Job Mix Formula	Plant	Mix	Actions
Unassigned	Riverside Materials Inc.	W95731H1	402.1147.7685 v2 PDF openEPD Version History
Unassigned	Riverside Materials Inc.	W125722H1	402.1147.7764 v1 PDF openEPD Version History



HOW WILL THEY BE USED?

- ❑ Plant & mix specific to develop industry averages and benchmarking
- ❑ Enhance efficiency in the industry
- ❑ Monitor asphalt performance
- ❑ Modify mix designs
- ❑ Reduce maintenance costs and resource consumption over time.



CHALLENGES

EPD OUTREACH & COLLECTION

- Communication
- Ability to validate data
- The Road Ahead



QUESTIONS / FEEDBACK



Submit questions to: EPDS@pa.gov



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