



An AEP Company

Distribution System Plan 2027

Informational Meeting
September 24, 2026



Introduction

Participants

- Subin Mathew
I&M Managing Director, Distribution Operations
- Kirk Eisert
I&M Distribution Systems Planning Manager
- John Scheurich
I&M Engineer Principal
- Regiana Sistevaris
I&M Regulatory Analysis and Case Manager

Agenda

1. Safety Contact
2. I&M and DSP Overview
3. I&M's Current Distribution System
4. Reliability
5. Storm Response and Preparedness
6. Distributed Energy Resources
7. Hosting Capacity Map
8. Questions and Discussion

Safety Contact

Never Touch a Downed Wire and Keep Your Distance

- You should treat any downed wire as if it were energized.
- Contact with an energized wire can cause significant injury or fatality.
- There are not always visible signs a line is energized.
- Communication cables that are down could also be energized by touching a power line.
- Downed wires can energize fences, limbs or other debris they are in contact with.
- Electricity can jump short distances, so getting too close can be dangerous.
- **Stay 35' away from downed wires – about the length of a school bus – and always report them to I&M or local police.**



I&M Overview

- I&M serves approximately 619,000 customers
 - Approximately 133,000 customers in Michigan
- Approximately 1,900 total I&M employees
 - Approximately 600 distribution employees
- I&M's Michigan service area includes 46 cities/communities in 6 counties across approximately 1,375 square miles
- Maintain approximately 5,400 miles of distribution lines in Michigan
- Regulated by the Michigan Public Service Commission

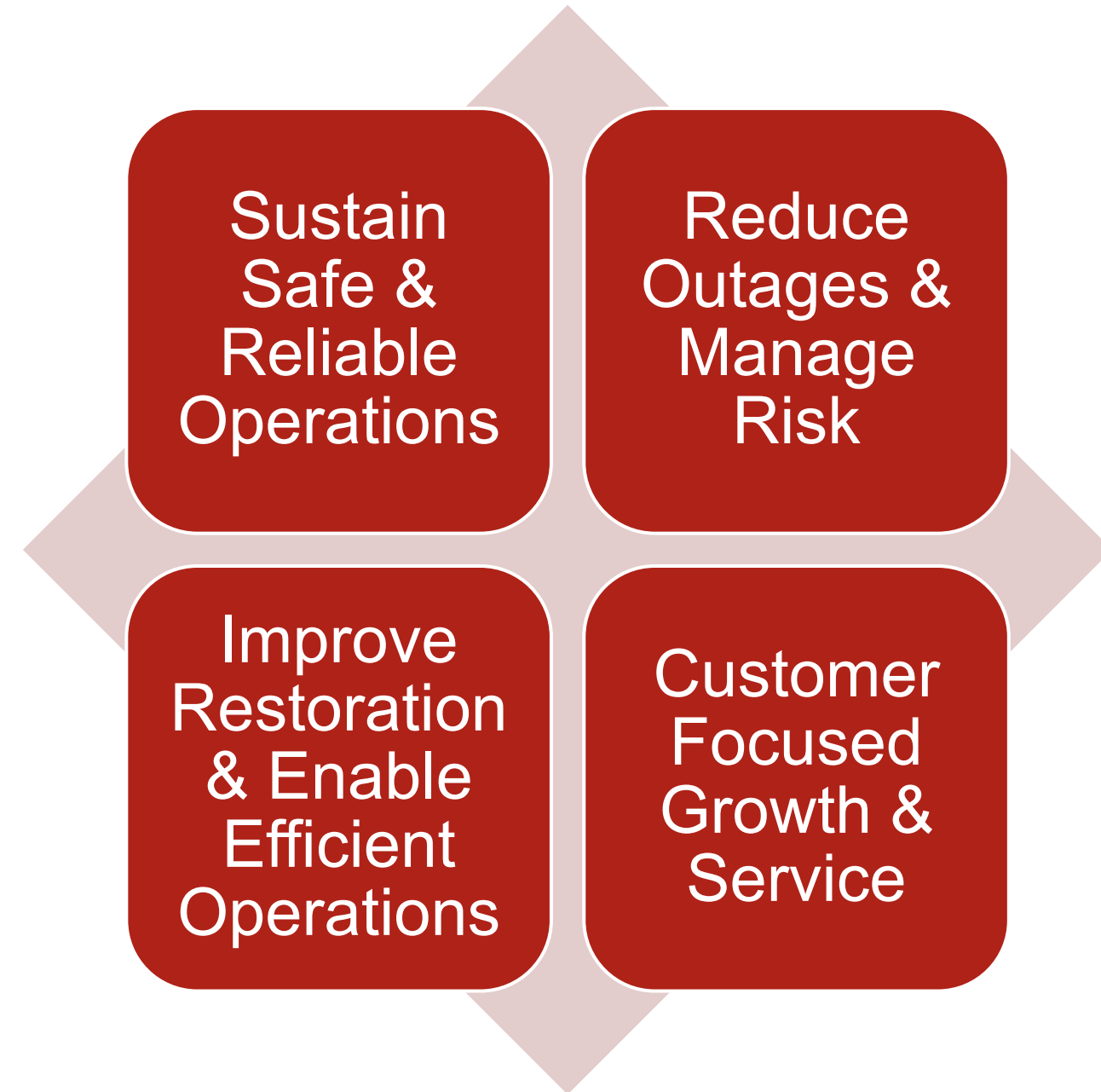


What is a Distribution System Plan (DSP)?

Content

- Provides the current state of the distribution system
- Demonstrates historical system performance
- Establishes a planning framework and methodology
- Shows distribution system opportunities and needs
- Five-year distribution work plan

Key Considerations



I&M's DSP Filing

Requirements

- I&M is required to submit a Distribution System Plan approximately every three years, most recently in 2023
- I&M must include an action plan to address the short-term and long-term Distribution needs and challenges
- In 2025, the Commission directed I&M to file a five-year DSP by April 30, 2027

Review Process

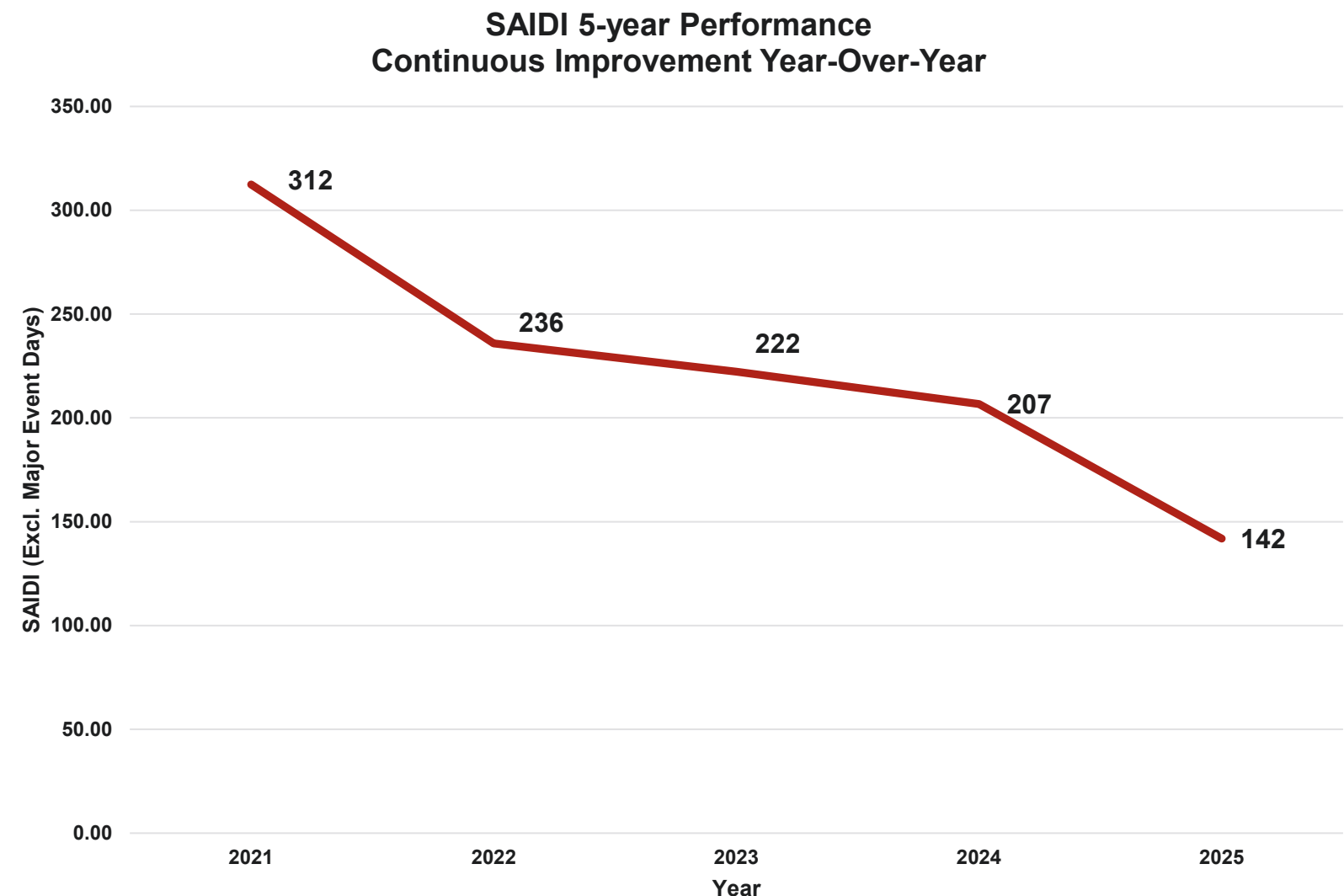
- Learn how I&M plans for the future needs of the distribution system
- Share ideas, perspectives, and priorities for Michigan customers and communities
- Help inform the development of I&M's 2027 Distribution System Plan

Preview

- Overview the next 5 years of I&M's distribution plans
- Will include an evaluation of the condition and performance of I&M's distribution system and identification of future system needs and opportunities
- Maintain and improve safety
- Enhance system resilience
- Maintain system flexibility
- Enhance data collection and utilization
- Supporting affordability for I&M's Michigan customers
- Enable the distribution system to support Electric Vehicles, Distributed Energy Resources and other electrification

I&M's Current Distribution System Performance

- History of improving reliability, such as System Average Interruption Duration Index (SAIDI)
 - Customers are experiencing fewer and shorter outages each year
- Grid Modernization, including automation, remote operability and grid awareness
- Grid hardening and resiliency, I&M has robust standards and I&M is able to withstand more weather events
- Full rollout of smart meters, which supports customer restoration during weather events



Primary Outage Causes (Excluding Major Event Days)

Vegetation

- 48% of outage minutes for I&M's Michigan customers are caused by trees, branches, or other foliage falling onto overhead power lines

Equipment

- 16% of outage minutes are caused by aging distribution line equipment, wear, or defects

Vehicles

- 7% of outage minutes are due to vehicles hitting utility poles



I&M is Improving Reliability

Grid Modernization & Asset Management

- Asset Replacement, proactively replacing end of life equipment prior to issues that can cause outages
- Feeder Automation, system that can automatically restore customer after an outage. 26% of Michigan customers are included in the automation schemes
- System Hardening, more robust equipment standards to better withstand weather events
- Customer minutes of interruption for equipment caused outages down 30% since 2021

Vegetation Management

- Cyclical tree trimming on distribution circuits
- Four-year vegetation management cycle
- Removing dead and potentially dangerous trees along I&M's right-of-way
- Reactive "hot spot" trimming, targeted supplemental trimming in locations with greater than average tree growth
- Customer minutes of interruption for tree caused outages down 57% since 2021

I&M's Storm Preparedness and Response



I&M Pre-storm Activities

- Incident Command System (ICS) training
- Twice a year table-top, functional, and load shed exercises
- Weather monitoring
- Securing restoration resources from internal sources and mutual assistance groups



STORM UPDATE

JULY 5 | 8:00 A.M.

Outage & Restoration Updates

- Provide updates to customers and local officials on the status of restoration, including estimated time of restoration

WHAT YOU NEED TO KNOW

- Crews continued to work overnight, and over 83% of customers impacted by the two storms that moved through I&M's territory on Friday evening and Saturday morning have now been restored.
- Most customers who can safely receive power are expected to be restored by 5 PM this evening, with some being restored sooner.
- I&M crews who have been working since Friday to restore customers will be joined today by a contingent of restoration experts from outside states.

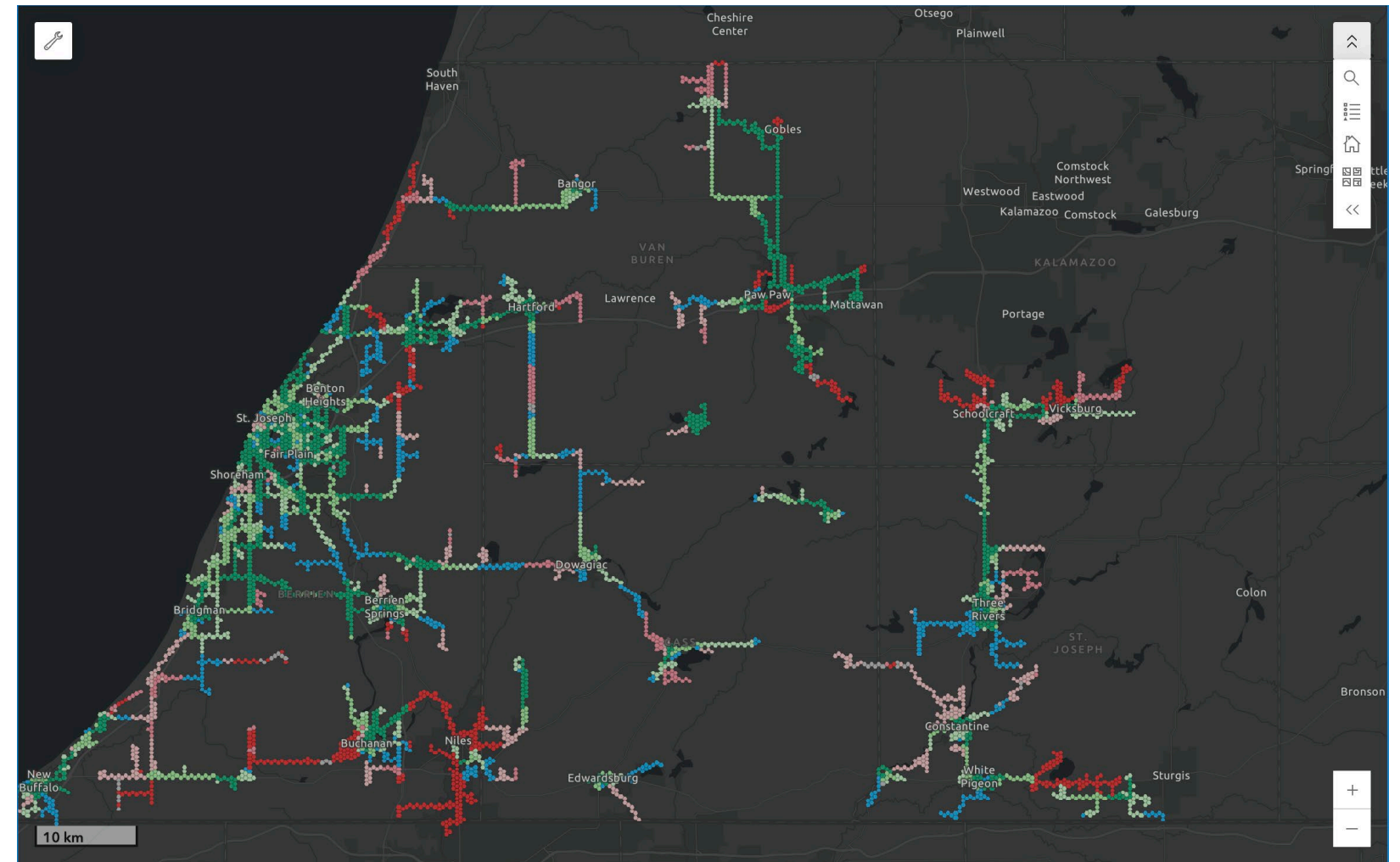
Distributed Energy Resources (DER)

- DERs are smaller, local technologies that generate, store, or manage electricity that are connected to the distribution system
- DERs are most often customer-owned energy generation units such as rooftop solar
- Approximately 700 Michigan customers with interconnected Distributed Generation
 - I&M interconnected 22 DERs, totaling approximately 1,150 kW, new DER through mid-September in Michigan in 2026
- I&M DSP will include information on DER interconnection and I&M's Hosting Capacity Map



I&M's Hosting Capacity Map

- Provides a high level estimate of how much capacity can be interconnected to I&M's distribution system
- Identifies available areas on I&M's distribution system for DERs such as solar, battery storage, and EV charging
- Publicly available on I&M's website:
<https://www.indianamichiganpower.com/company/about/hosting-capacity>



I&M's DSP Topics for Consideration

Proposed Sections

- Distribution System Vision and Objectives
- Stakeholder, Customer, Community, and Government Outreach
- Current State of the Distribution System
- Historical System Performance
- Planning Framework and Methodology
- Distribution System Challenges and Needs Assessment
- Five-Year Distribution Investment Plan
- Distributed Energy Resource Integration and Grid Modernization
- Forecasted Performance and Customer Impacts

Key Points

Overview of Michigan Service Territory

Customer Profile

Geographic Characteristics

Distribution System Characteristics

Distribution System Vision

Key Planning Objectives

Safety

Reliability

Resiliency

Customer Experience

Affordability

Future Readiness

Summary of Five-Year Investments

Serve Customers and Support Growth

Sustain Safe and Reliable Operations

Reduce Outages and Manage Risk

Improve Restoration and Enable Efficient Operations

Expected Outcomes

Reliability Improvements

Safety Improvements

Customer Benefits

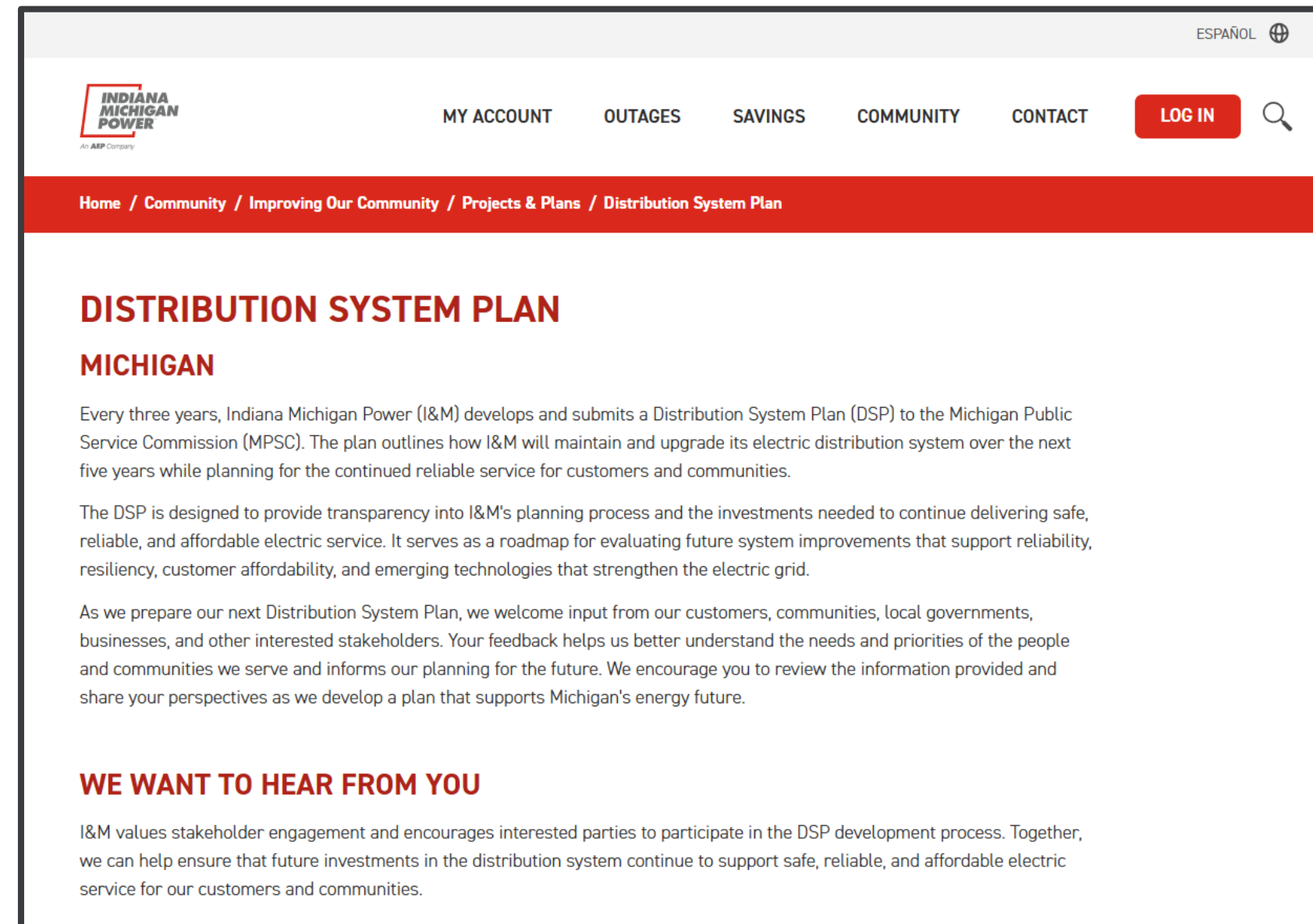
Customer Rate Impacts

DSP Next Steps / Questions / Feedback



- Stakeholder/DSP webpage
- Email for comments and feedback
- Link for survey to provide feedback
- I&M to file next report with MPSC on April 30, 2027, Case No. U-20147

<https://www.indianamichiganpower.com/community/improving-our-community/projects/dsp/>



Questions?

QUESTIONS? CONTACT CREATIVE SERVICES FOR ASSISTANCE

