



Competitive Transmission Update

System Planning Committee of
the Board of Directors

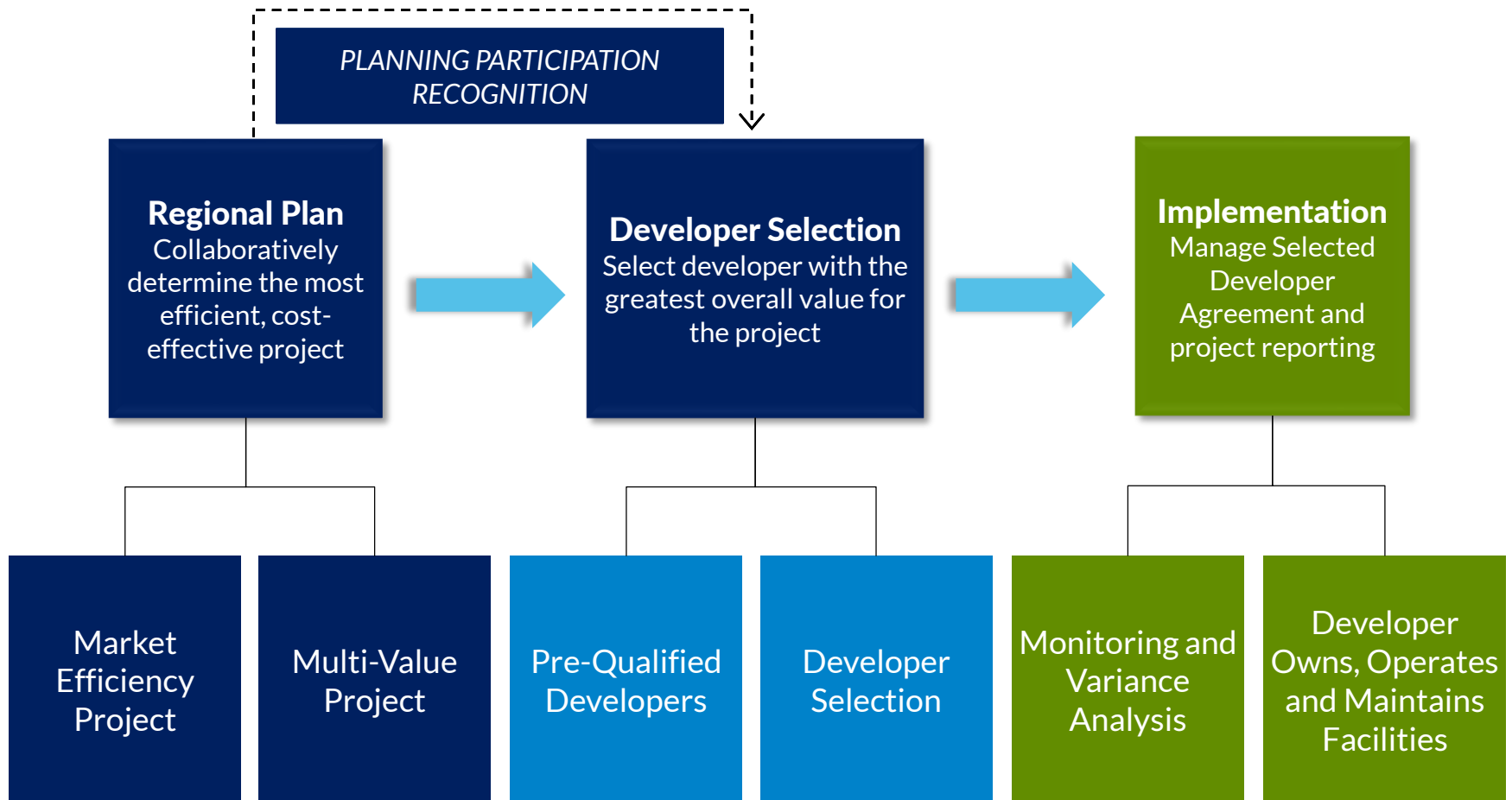
March 24, 2020

Executive Summary



- In MISO, regionally cost shared projects can be eligible for a competitive process to select a developer that will cost-effectively finance, construct, own, operate and maintain the project
- MISO monitors the costs and schedules of regionally cost shared projects to ensure successful completion
- An update will be provided on three regionally cost shared projects: Duff-Coleman, Huntley-Wilmarth, and Hartburg-Sabine

MISO's competitive selection process builds on the rigor and value of our regional planning process



MISO monitors projects and evaluates potential cost and schedule challenges to ensure successful project completion

Philosophy

 Flexible

 Accountable

 Proactive

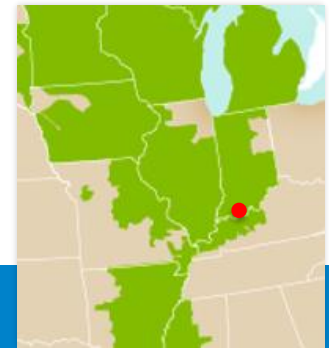
Key Objectives

 Project Success

 Value

 Fairness

The Duff-Coleman 345kV Project could be completed as early as June 2020



Project	In-Service Year	Cost Estimate
Duff-Coleman	2020	\$66.7M

Description

- A new transmission line between southern Indiana and western Kentucky, and substation upgrades; to help address significant transmission congestion impacting large industrial loads and projected load growth

Status

- Republic Transmission is seven months ahead of schedule
- Construction and right-of-way acquisition costs have increased Republic Transmission's costs by approximately \$3.8M from the baseline estimate of \$53.85M

A mitigation plan has been executed for the Huntley-Wilmarth 345kV Project and monitoring continues



Project	In-Service Year	Cost estimate
Huntley-Wilmarth	2022	\$155.7M

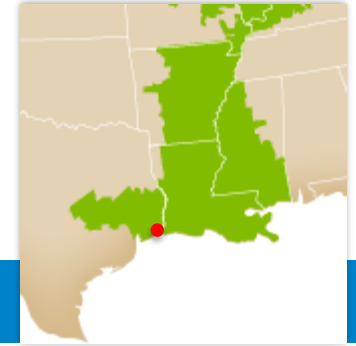
Description

- Market Efficiency Project will reduce congestion in southern Minnesota and northern Iowa and deliver low-cost electricity from generation facilities, including wind farms

Status

- Costs increased approximately 30% from baseline cost estimate because of state defined routing plans
- A mitigation plan has been executed and MISO continues to engage about project risks

Uncertainty continues with the Hartburg–Sabine 500kV Project due to Texas Right of First Refusal



Project	In-Service Year	Cost Estimate
Hartburg–Sabine	2023	\$128.9M

Description

- New 23-mile 500kV transmission line and four 230kV lines, and new substation in East Texas to connect networks of three counties and alleviate longstanding energy congestion issues and import limitations

Status

- MISO is collecting and evaluating information to determine next course of action