



System Planning Five-Year Overview

System Planning Committee of
the Board of Directors

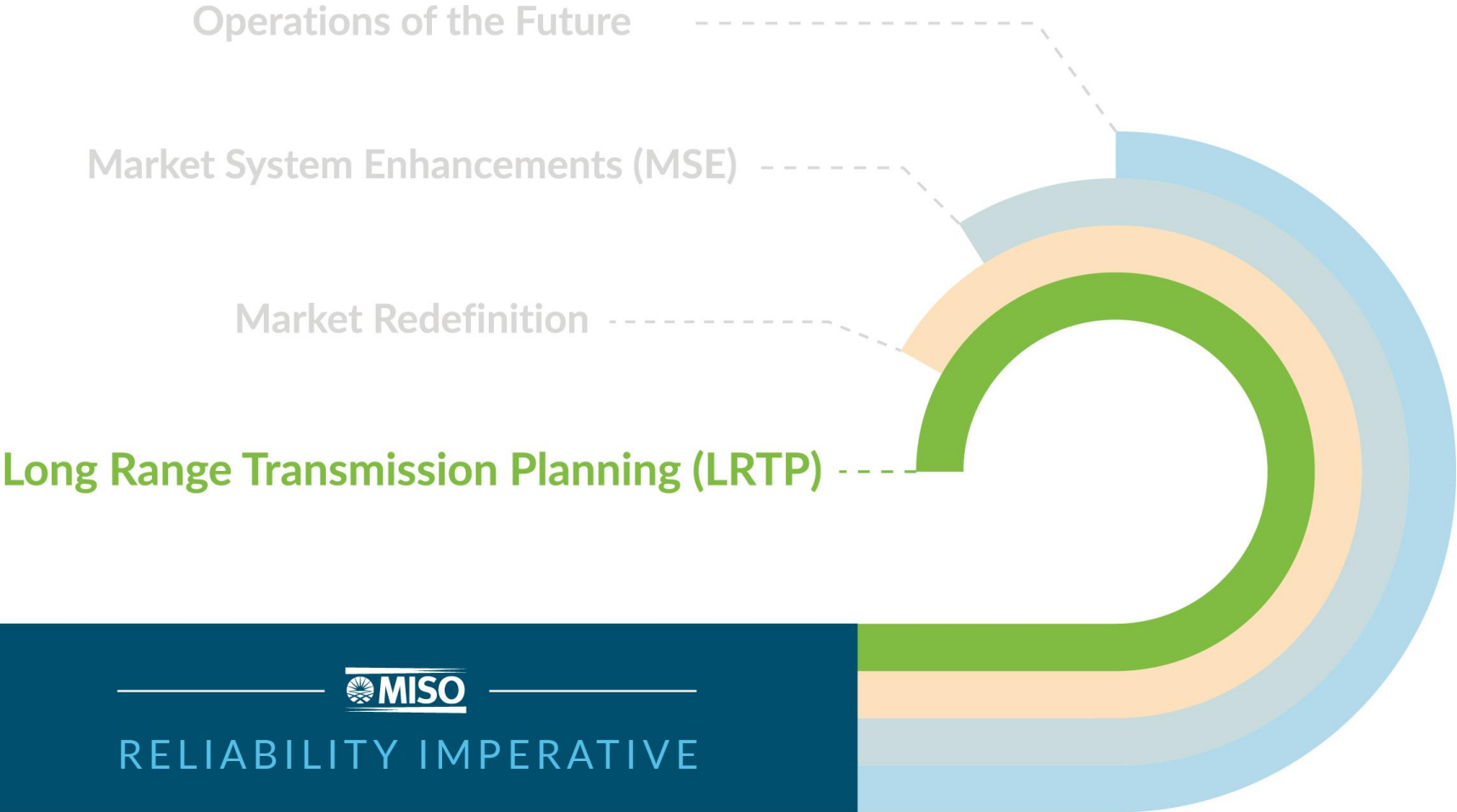
June 15, 2022

Executive Summary



- MISO's value proposition is the main driver for a broad range of transformation and optimization activities over the next five years
- System Planning initiatives focus on effectively enabling the grid of the future through Long Range Transmission Planning and optimized planning
- Forward-looking work is underway to ensure that MISO has the people skills, processes and technology to anticipate and respond to opportunities and challenges

MISO's value proposition is the main driver for the work on several key planning, operational and system efforts



Strategic priority objectives help us plan, organize and execute the critical work necessary to meet our stakeholders' objectives

Long Range Transmission Planning

Future Scenarios

Develop and plan for a range of possible scenarios across economic, policy and technological factors

Transmission Solution Development

Identify solutions with strong business cases that meet needs of the evolving resource portfolio and challenges of extreme events

Cost Allocation

Develop cost allocation mechanisms that spread project costs which are commensurate with benefits

Other Planning Efforts

Explore process enhancements and opportunities to improve alignment across the various planning functions and with neighboring RTOs

Business Capabilities & Outcome Delivery & Sustainment

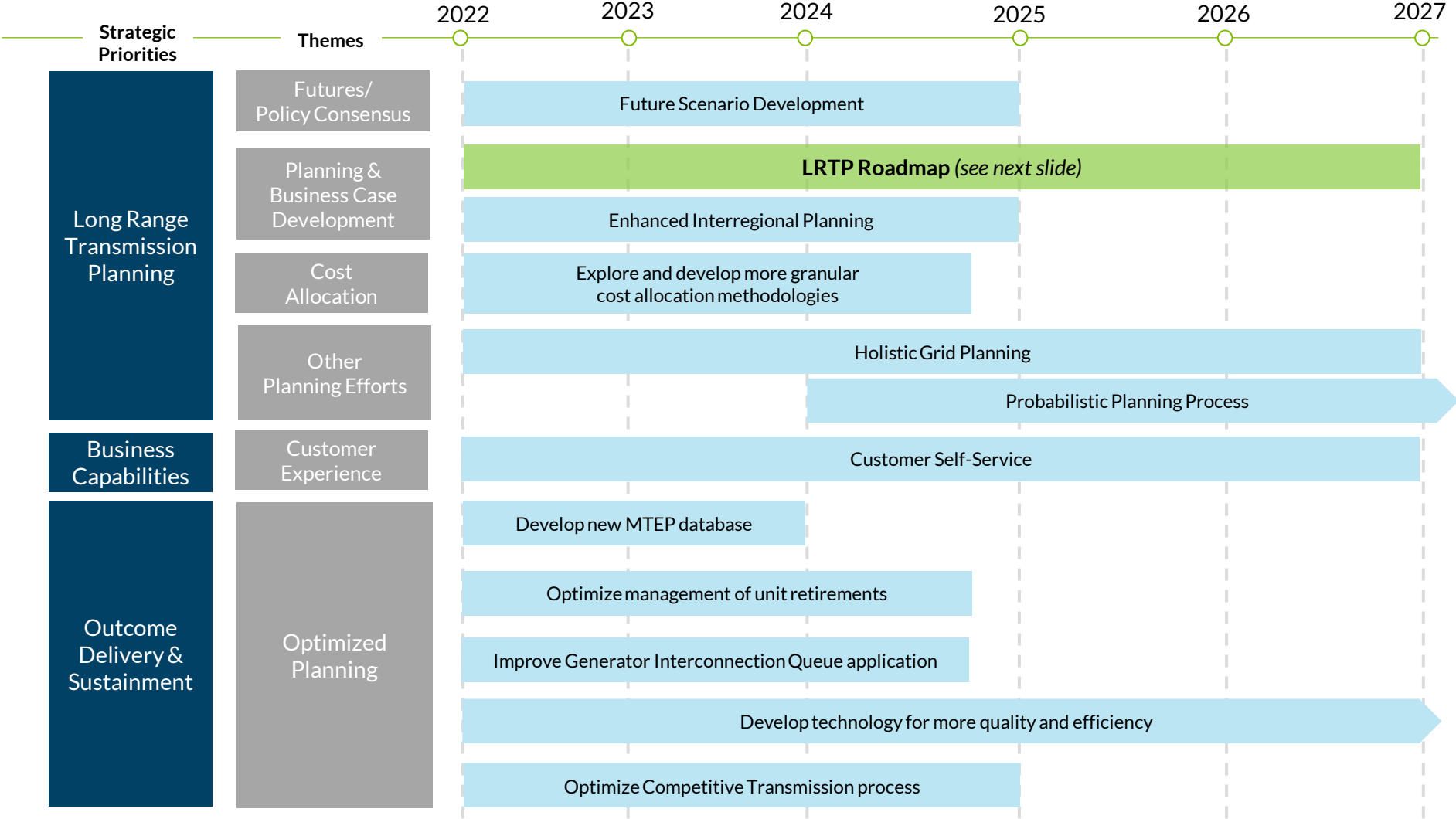
Customer Experience

Streamline the stakeholder experience with self-service products

Optimized Planning

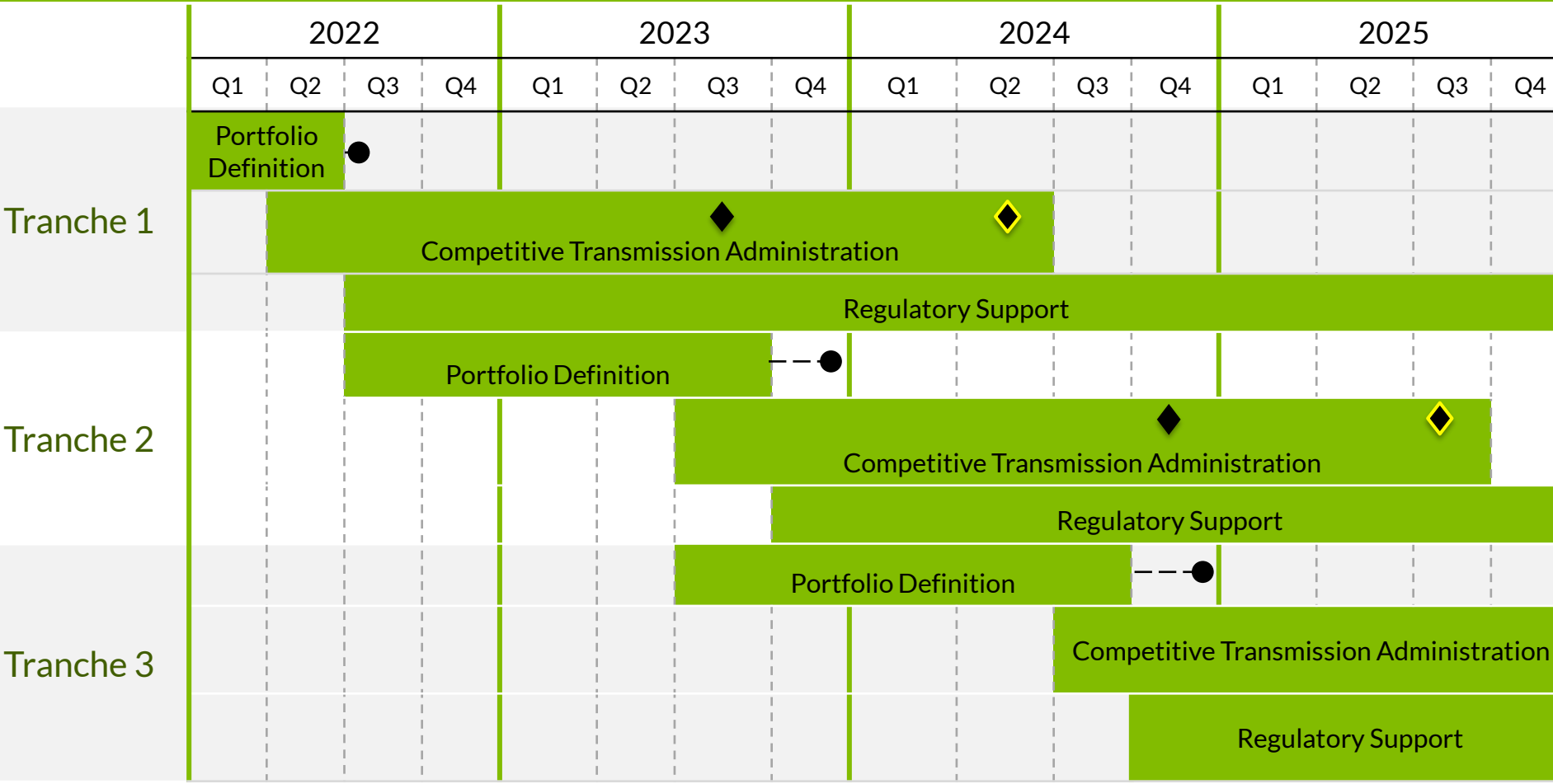
Invest in essential people, process, and technology efforts to maintain business outcomes

Large projects requiring more significant investment to address the Reliability Imperative are included in the five-year plan



L RTP represents an evolution in planning which does not end with Board approval of projects

Preliminary Long Range Transmission Planning Roadmap



---● Board Approval
 ◆ First Selected Developer
 ◆ Final Selected Developer

Represents earliest potential Board approvals; timelines for Tranches 2 & 3, and may exceed durations shown



To achieve this work and support new scope, we need to ensure MISO has the staff, technology and processes to address the Reliability Imperative



Invest



Recruit staff



Manage talent

- Work identified to date requires an investment of approximately \$2 - \$4M over the next 3-5 years
- Additional full-time employees over the next 5-7 years will also be required
- A hybrid approach to talent management is necessary given the shortages in experienced talent and the unique skillsets that are needed