



# STRATEGIC ROADMAP DEVELOPMENT PROCESS

ERIN CATHEY, SENIOR MARKET DESIGN ANALYST

*Helping our members work together to keep  
the lights on... today and in the future.*



SouthwestPowerPool



SPPorg



southwest-power-pool

# **ORGANIZATIONAL INITIATIVE MANAGEMENT - BACKGROUND**

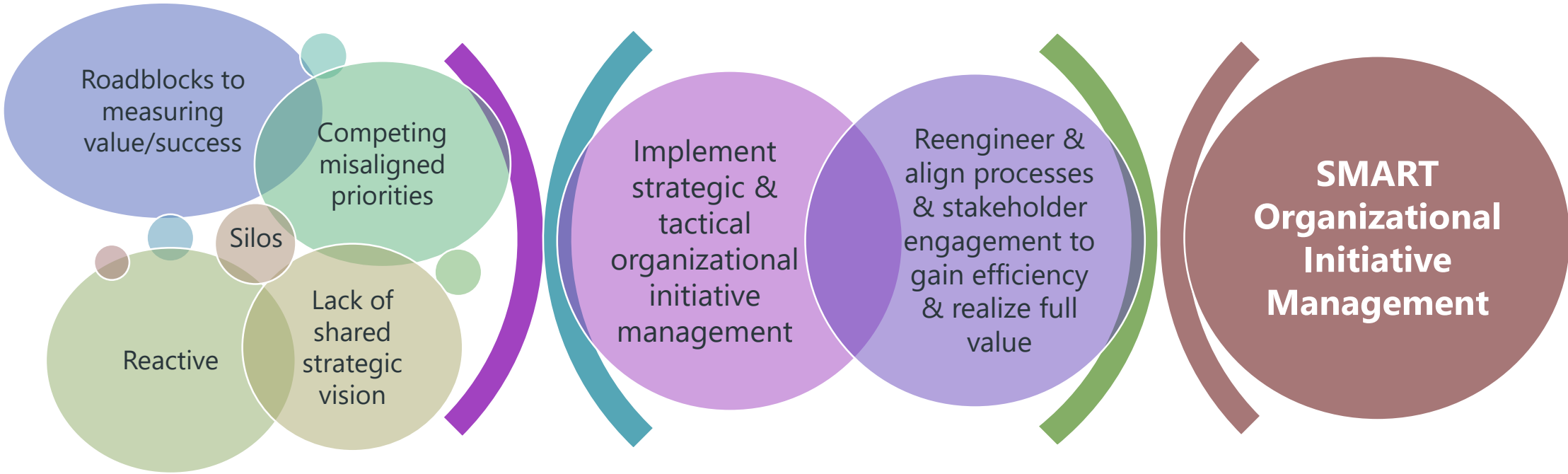
# VALUE AND AFFORDABILITY

“SPP must understand its stakeholders’ and members diverse’ interests and consider competing demands and pressures as necessary and appropriate while ensuring the organization is positioned to create the sustainable, long-term value in which all stakeholders have an interest as a unified body.”

- Stakeholders requested:
  - Increased transparency regarding work
  - Increased collaboration through vetting, approval, opportunity for input
  - Increased transparency & consideration of initiative impact on budget
  - Efficiency and improvement in RR process
  - Clarity and improvement in stakeholder prioritization
  - Streamlined stakeholder processes

# Improving Organizational Initiative Management

## A holistic approach



### Depleted Value

- Constraining manual processes*
- Strained responsiveness*
- Rework*
- Redundant/overlapping efforts & priorities*
- Confusion*
- Ineffective engagement*

### Enhanced Value

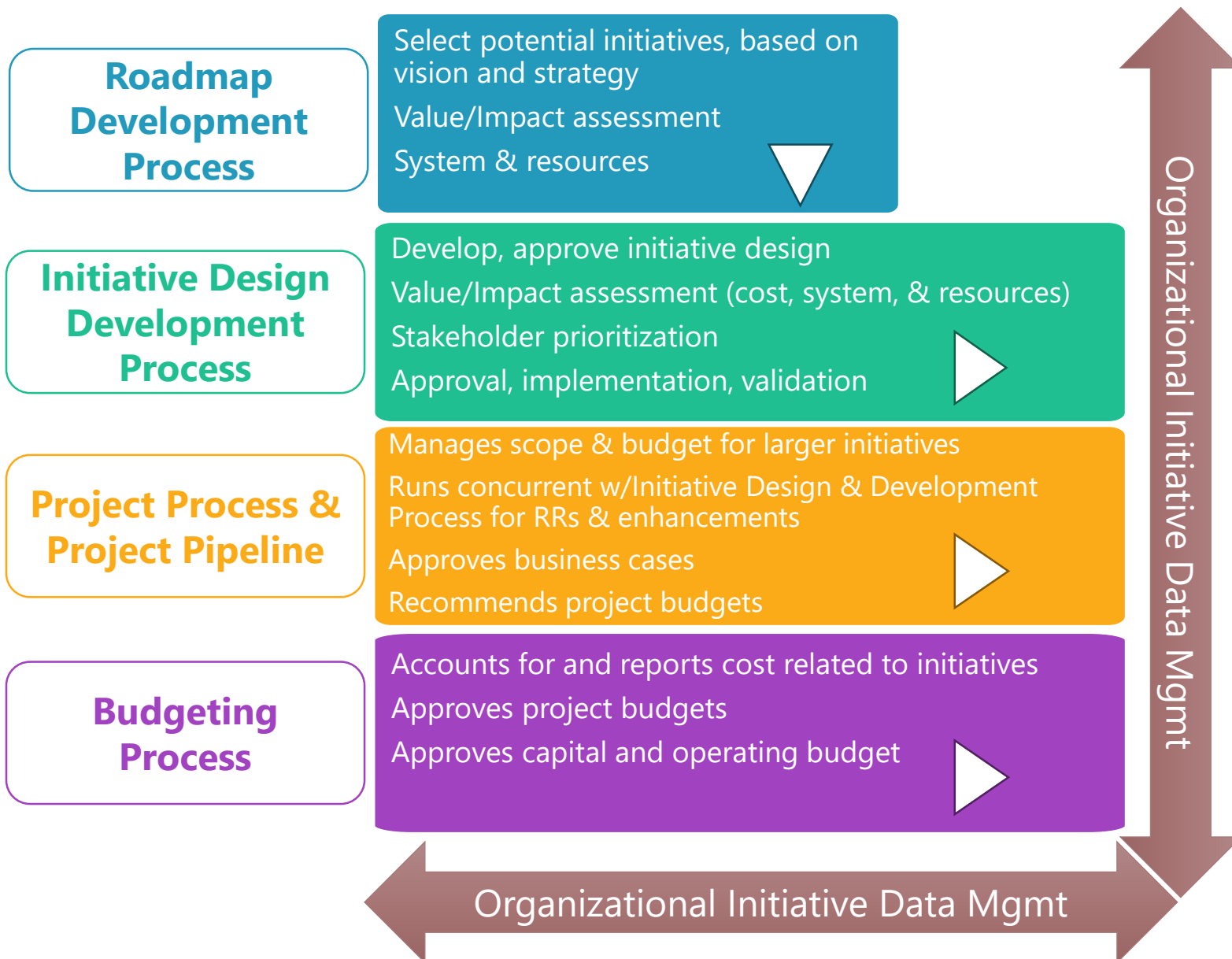
- Programmatic data management & reporting*
- Proactive responsiveness*
- Improved business cases, success measures*
- Efficient, effective, aligned process*
- Shared strategic vision & priorities*
- Effective engagement*

# Improving Organizational Initiative Management

## A holistic approach



# ORGANIZATIONAL INITIATIVE MANAGEMENT



- Roadmap process is an input to Initiative Design Development Process, Project Process/Pipeline, & Budget process
- When initiatives are approved as RRs, Enhancements, Projects through the Initiative Design Development Process they are an input to Project Process/Pipeline & Budget Process
- Initiative Design Development, Project Process/Pipeline, & Budgeting Process run concurrently & information flows between the them
- Data management solution improves collection & maintenance of all data related to initiatives such that real-time reporting is possible



# ORGANIZATIONAL INITIATIVE DATA MANAGEMENT

## Goal

Improve data collection, maintenance & reporting. Develop initiative metrics to measure qualitative & quantitative operational performance as it relates to initiatives. Define data use cases for tactical & strategic reporting purposes. Develop data use cases to improve decision making, resource allocation, strategic vision.

## SCOPE

All-inclusive analysis of data collected & managed for initiatives (from submission to implementation/validation) to determine what improvement is needed. Ensure complete, correct & valuable data is collected & maintained such that timely, relevant, & useful information may be provided to stakeholders & staff.

- Initiatives originating from Roadmap, Revision Request, Enhancements, etc.
- Project data alignment

## Problem

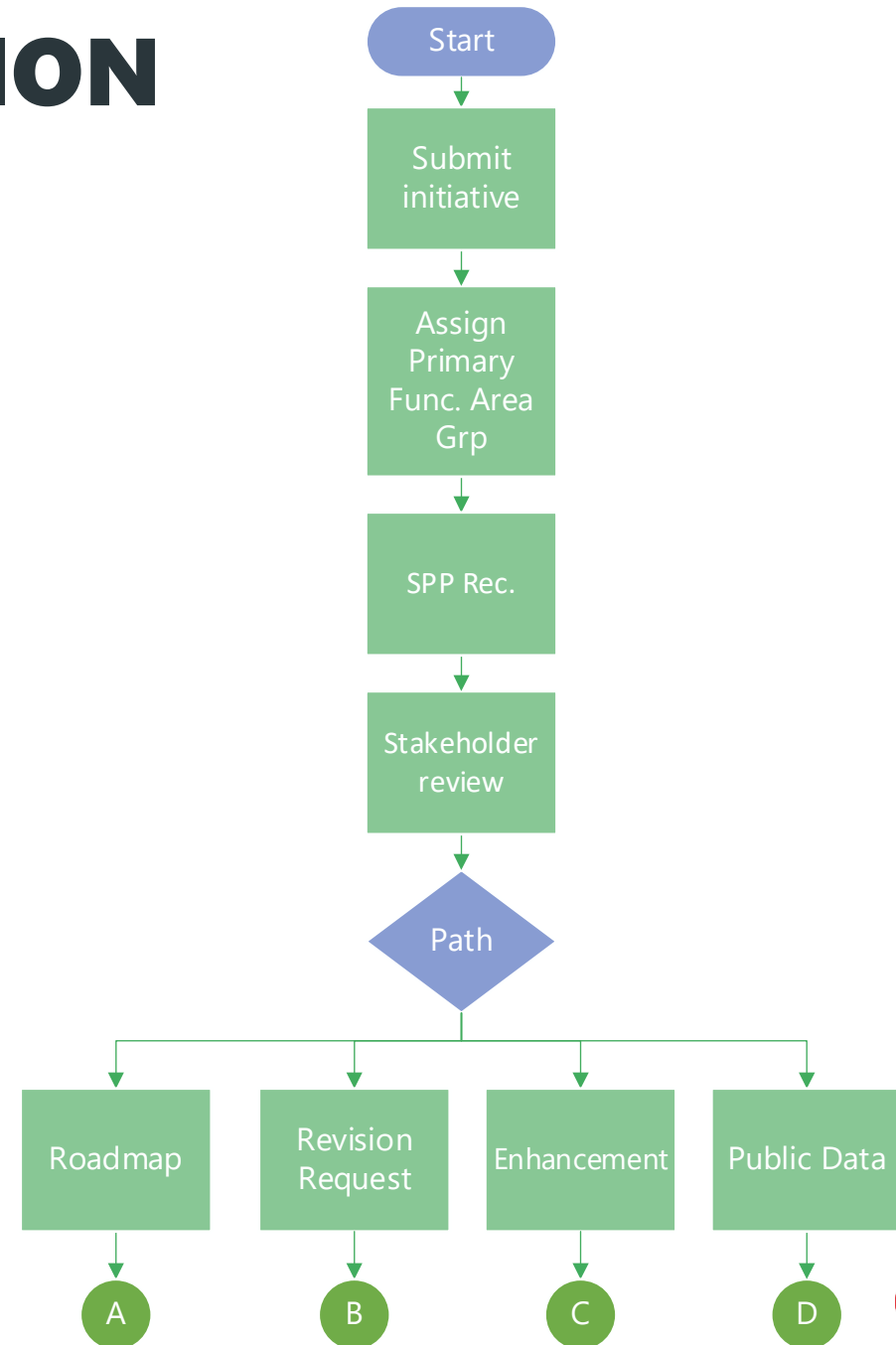
Opportunities are lost in existing data management process & tools. Data collection is redundant, inconsistent, incomplete & done in silos. Usability is limited. Reporting is manual & incomplete. Metric/KPI tracking & reporting is extremely limited.

## Solution

Implement new, single source data management solution & process - introduce data integrity, consistency, automation & programmatic means to pull specific sets of data for reporting progress, success metrics, KPIs...

# ALIGN INITIATIVE SUBMISSION

- Streamlines initiative intake
  - Ad hoc initiatives
    - Roadmap process
    - RR process
    - Enhancement process
    - Public Data process
- One submission process
- Triage to determine initial recommended path streamlines workflow and awareness
- Considering one numbering system
  - Initiative number assigned at submission
- Considering one folder structure
  - Central repository for initiative documentation from inception to completion





# **ROADMAP DEVELOPMENT PROCESS & DESIGN DEVELOPMENT PROCESS OVERVIEW**

# A living work plan for enhancing SPP's future

## What is a Roadmap?

Unified path to achieving strategic goals and creating sustainable long-term value

Evaluates initiatives both on their own merit and on how they support SPP's strategy

Facilitates shared vision and informed decision making

Enhances ability to measure value and affordability

Diversified - strategic and tactical

## Roadmap Benefits

Increases transparency & collaboration

Balances diverse stakeholder interests

Aligns with SPP's strategic plan, budgets & portfolio management

Ensures focus on greatest area of need

Enhances coordination within SPP and Stakeholders

Flexible

## Stakeholders' Role

Annually select, rank & approve initiatives

Provide education on submitted initiatives

Balance ad-hoc initiatives against approved roadmap initiatives

Monthly review progress & recommend adjustments

Proactively plan at stakeholder organizations

**Markets, Operations, Planning, Supply Adequacy**

# 2020-2021 Roadmap developed October through April

## SPP Strategic Roadmap Development Process



Stakeholders, SPP RTO, SPP MMU submit initiatives

Roadmap

## Design Development Process



Multiple initiatives in design development at any given time

## SPP Strategic Roadmap Development Process



- Annual Process
- Identify and Prioritize what SPP will research/analyze (consider) for design development
- 2-5 year work plan (Roadmap)
- Flexible – Ad hoc initiative management handled in design development process
- Input to Project Pipeline, Budget Process
- Early Awareness – SPP Leadership, Stakeholders, SPC, MOPC, Finance Committee

◆ Stakeholder Approval

◆ SPP Leadership Approval

▲ Stakeholder Input

# SPP Strategic Roadmap Development Process

## Training

- Open forum
- Stakeholder input
- Development process training, timeline, lessons learned

## Submit

- Qualified Entities submit initiatives – SPP, MMU, Stakeholders
- Anyone submits comments
- Request Management System (RMS)
- Standard form/content
- Supporting material encouraged
- Submit new/modified initiatives
- Data gathered

## Education

- Open forum at Functional Area working groups
- Rostered stakeholders determine which initiatives move forward to rank & prioritization
- Education & Evaluation of initiatives
- Submitters provide education
- Standard form & content
- Controlled time to present
- SPP provides value/impact assessment
- MMU advisory
- Data gathered

## Prioritize

- Open Forum - Functional Area working groups
- Rostered stakeholders - final Priority
- SPP RTO & SPP MMU priority submitted as informational
- Online tool/survey
- Results analysis, check adjust
- Existing initiatives included, unless w/in 18 months of MOPC approval
- Required initiatives not included
- Programmatic tool, multi-step subjective & quantitative criteria
- Data gathered

## Approve

- SPC endorsed
- MOPC approved
- Approved roadmap input to SPP PMO and Budgeting process

## Design Development Process



Multiple initiatives in design development at any given time

- Roadmap initiatives analyzed per roadmap development process ranking/prioritization
- Initiatives appropriately pathed
- Quantitative cost assessment
- Implementation prioritization & coordination
- Validation
- Ad Hoc Initiative Management
- Input to Project Pipeline, Budget Process
- Fine-tuned Awareness – SPP Leadership, Stakeholders, SPC, MOPC, Finance Committee

◆ Stakeholder Approval

◇ SPP Leadership Approval

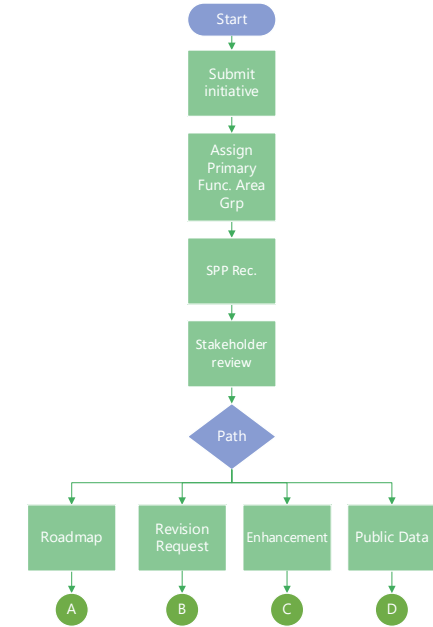
▲ Stakeholder Input



# MANAGING AD HOC INITIATIVES – PROCESS OVERVIEW

## Case-by-case assessment

1. Ad hoc initiative submitted
2. Assign primary functional area and primary stakeholder group
3. Review initiative with appropriate primary functional area stakeholder group
  - A. Does initiative align with roadmap qualifying criteria?
    - i. No, go to step 3E
    - ii. Yes, go to step 3B
  - B. Assess initiative
    - i. Initiative requires minimal effort, low impact, minimal or no system changes. Go to step 3D.
    - ii. Initiative requires increased effort, greater impact, more involved system changes. Go to step 3C
  - C. Determine appropriate Roadmap rank/priority by affirmative vote (vote is optional)
    - i. Add to existing initiative
    - ii. Reprioritize roadmap to accommodate new initiative
    - iii. Add to Parking Lot
    - iv. Reject/Recommend regular roadmap cycle submission
  - D. Design Development Process (Draft RR or Enhancement, submit project pipeline/budget awareness if appropriate)



# Design Development Process

## Research & Analysis

- Functional area working groups
- Timing based on priority
- Conceptual design analysis
- Value/Cost/Impact analysis
- Results determine design development approach & path
- Approved whitepaper
- MMU advisory
- Training, legal, compliance awareness
- Data gathered
- Reporting

## Revision Request or Enhancement

- Functional area working groups
- Policy developed according to approved design approach
- Cost Impact Analysis
- Existing stakeholder service process depending on path, e.g., RR process, Enhancement, Project
- Training, legal, compliance awareness
- Data gathered
- Reporting

## Approve

- MOPC
- FERC
- Training, legal, compliance awareness
- Data gathered
- Reporting

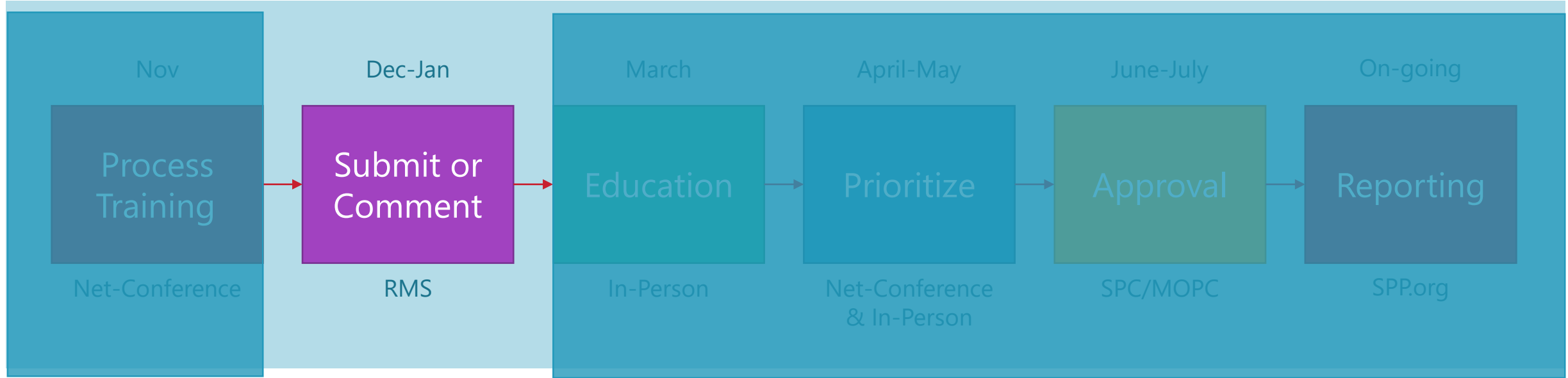
## Stakeholder Prioritization

- Implementation timing
- Stakeholder prioritization quarterly process
- Data gathered
- Reporting

## Implement & Validate

- Coordinated implementation – SPP staff, stakeholders
- System change development
- Process change development
- Training, legal, compliance, impacted SPP business functions and impacted stakeholder coordination
- Testing
- Validate design operating as intended - SPP and stakeholders

# **ROADMAP DEVELOPMENT PROCESS PHASES – CLOSER LOOK**



## • Initiative Submission

- New or modifying existing
- Only Qualified Entities may submit
- Standard forms required
- RMS
- Supporting material highly encouraged
- SPP Roadmap Exploder

## • Comment Submission

- Anyone may submit comments
- Standard forms and content required
- RMS
- Supporting material highly encouraged
- SPP Roadmap Exploder



# STRATEGIC MARKET ROADMAP QUALIFYING CRITERIA

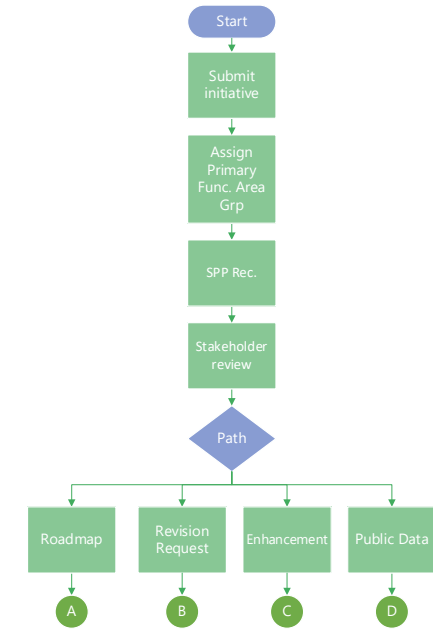
**If one or more of these criteria are met, the initiative should be assessed through the Roadmap Development Process**

- New governing document language that results in more than a correction or clarification
- Required to correct a market inefficiency or gaming opportunity
- FERC action or involves a NERC standard
- BOD directive
- Requires additional FTEs to manage in production
- Requires member-facing or impacting system or process changes
- Impacts long-term reliability

# MANAGING AD HOC INITIATIVES – PROCESS OVERVIEW

## Case-by-case assessment

1. Ad hoc initiative submitted
2. Assign primary functional area and primary stakeholder group
3. Review initiative with appropriate primary functional area stakeholder group
  - A. Does initiative align with roadmap qualifying criteria?
    - i. No, go to step 3E
    - ii. Yes, go to step 3B
  - B. Assess initiative
    - i. Initiative requires minimal effort, low impact, minimal or no system changes. Go to step 3D.
    - ii. Initiative requires increased effort, greater impact, more involved system changes. Go to step 3C
  - C. Determine appropriate Roadmap rank/priority by affirmative vote (vote is optional)
    - i. Add to existing initiative
    - ii. Reprioritize roadmap to accommodate new initiative
    - iii. Add to Parking Lot
    - iv. Reject/Recommend regular roadmap cycle submission
  - D. Design Development Process (Draft RR or Enhancement, submit project pipeline/budget awareness if appropriate)





# INITIATIVE SUBMISSION FORM

## SPP Roadmap Initiative Submission Form

This form is to recommend new SPP Roadmap Initiatives not yet included in the SPP Roadmap or to recommend modifications to existing Roadmap initiatives. Only Qualified Entities may submit Roadmap Initiatives for consideration during the timeframe designated by the annual SPP Roadmap Development process.

All fields must be answered completely; incomplete forms will be returned to the requestor. Forms should be submitted to the [SPP Request Management System](#) (RMS) using the "SPP Roadmap" quickpick. SPP staff will review the submission and post to SPP.org within five (5) business days. A notification will be provided via email to confirm receipt of the submission. Submissions may be accessed at SPP.org on the SPP Roadmap page.

If you have supporting documentation for your submission, such as a presentation or white paper, please attach it to the RMS ticket.

Please direct any questions to Erin Cathey: [ecathey@spp.org](mailto:ecathey@spp.org)

**SPP Roadmap Initiative #: SPP staff will assign number**

### SUBMITTER INFORMATION

<b>Name:</b>	<b>Company:</b>
<b>Email:</b>	<b>Phone:</b>

By submitting this form and any supporting documentation, the submitter agrees to SPP publicly posting the information and to participate in, directly or through proxy, the SPP Roadmap Initiative education and evaluation session.

Only Qualified Entities may submit SPP Roadmap Initiatives for consideration during the timeframe designated by the annual SPP Roadmap Development process. Please select applicable options below; as they apply to the named submitter.

- |   |  |
|---|--|
| <input type="checkbox"/> SPP staff  | <input type="checkbox"/> SPP Market Monitor  |
| <input type="checkbox"/> SPP Market Participant   | <input type="checkbox"/> Rostered individual of SPP Organizational Group, Committee, or Task Force           |
| <input type="checkbox"/> SPP Member   | <input type="checkbox"/> Transmission Customers or other entities party to transactions under the SPP tariff |
| <input type="checkbox"/> Government authority staff with jurisdiction over SPP/SPP Member | <input type="checkbox"/> An entity designated by a Qualified Entity  |

### SPP ROADMAP INITIATIVE QUALIFICATION CRITERIA

A Roadmap Initiative is an initiative that satisfies one or more of the following criteria below. Please select all that apply.

*Criteria will annually refresh to align with current strategic plan and scope of the SPP Roadmap*

- New or Enhanced governing document language that results in more than a Correction or Clarification
  - New = New language to accommodate new functionality or policy not existing today
  - Enhancement = Revising language to expand upon existing intent or functionality
  - Correction = Revising erroneous language or language that needs clean-up for grammatical errors or inconsistency across governing documents - no changes to intent or policy
  - Clarification = Revising language to better represent existing intent, no changes to functionality or policy
- Required to remediate a market inefficiency or gaming opportunity
- FERC Action or involves a NERC standard
- Requires additional FTEs to manage in production
- Requires member-facing or impacting system changes
- Impacts long-term reliability
- BOD directed

### SPP ROADMAP INITIATIVE DETAILS

**Submission Date:**

**Initiative Name:**

**New Initiative or Modifying Existing Initiative:**

**Detailed Description: *Why do we need to do this?***

**Expected Benefits: *What will we get out of doing this?***

**Known Risks:**

**Known Impacts:**

**Contingent on or Related to other Roadmap Initiatives? List and Describe:**

### OTHER INFORMATION

Provide any additional information that should be considered with this initiative.

# INITIATIVE COMMENT FORM

## SPP Roadmap Initiative Comment Form

This form should be used to provide comments regarding new SPP Roadmap Initiative submissions or recommended modifications to existing Roadmap Initiatives.

All fields must be answered completely; incomplete forms will be returned to the submitter. Forms should be submitted to the [SPP Request Management System](#) using the "SPP Roadmap" quickpick. SPP staff will review the comment submission form and post to SPP.org within five (5) business days. A notification will be provided via email to confirm receipt of the comments. Comments may be accessed at SPP.org on the SPP Roadmap page.

If you have supporting documentation for your comments, such as a presentation or white paper, please attach it to the RMS ticket.

Please direct any questions to Erin Cathey: [ecathey@spp.org](mailto:ecathey@spp.org)

### COMMENT SUBMITTER INFORMATION

Name:

Company:

Email:

Phone:

### COMMENTS

Roadmap Initiative #:

Initiative Name:

Comment Submission Date:

Comments:

# ROADMAP QUICK PICK RMS

## Submit Request

Submit Request

Quick Pick: SPP Roadmap

\* Class: Other Assignee

Request Status: Open

If submitting an SPP Roadmap Initiative, attach the Initiative form.

If submitting Comments regarding a [roadmap initiative](#), please attach the [comment submission form](#).

Forms are located [here](#).

In field "Subtype 1:" select Strategic Area.

In field "Subtype 2:" select Submit Initiative.

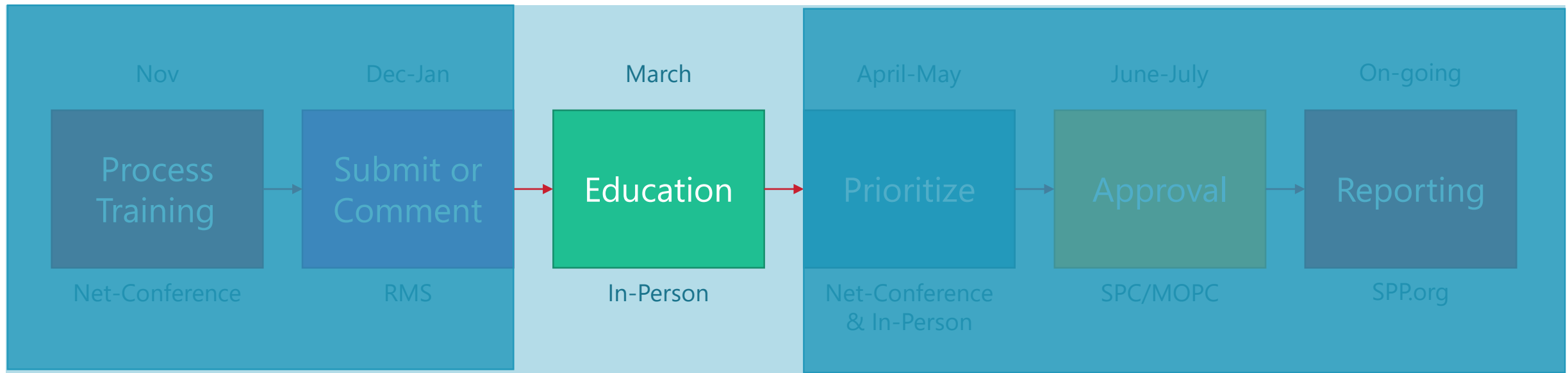
\* Request Type:

\* Subtype 1: Market

Subtype 2:

- Market
- Supply Adequacy
- Operations
- Transmission Planning
- Transmission Service
- Generation Interconnection
- Modeling


Comment submissions require the Initiative Number.



- Initiative submitters required to provide education
- In-person, open forum
- Standard template and content
- Stakeholders & SPP evaluate & finalize initiative list for ranking
- SPP feedback provided on each submission during session
- MMU advisory

# INITIATIVE EDUCATION SESSION TEMPLATE

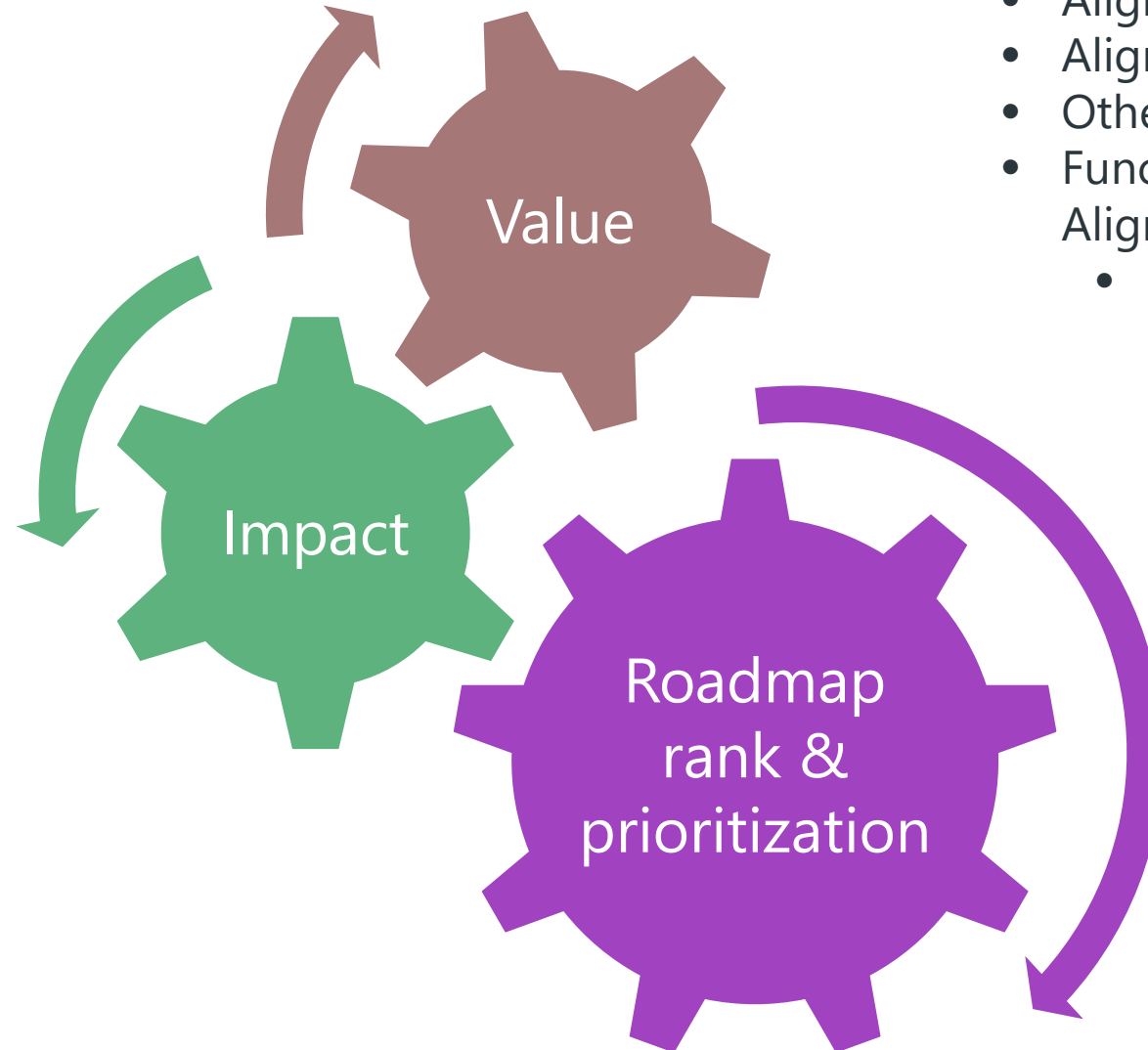
- Purpose
- Benefits
- Related Initiatives
- Value and Impact Assessment Summary
- SPP Comments
- MMU Comments
- Stakeholder Comments

 <p><b>INITIATIVE NAME</b> PRESENTER DATE</p>	<p><b>SIR# TITLE, COMPANY</b></p> <ul style="list-style-type: none"> <li>• Purpose:           <ul style="list-style-type: none"> <li>• ...</li> </ul> </li> <li>• Potential Benefit:           <ul style="list-style-type: none"> <li>• ...</li> </ul> </li> <li>• Alignment with existing SIR</li> </ul>	<p><b>SIR# TITLE, COMPANY</b></p> <ul style="list-style-type: none"> <li>• Potential Impact/Cost           <ul style="list-style-type: none"> <li>• Potential System / Process Impacts               <ul style="list-style-type: none"> <li>• ...</li> </ul> </li> <li>• Potential MCE Performance Impact: High, Medium, Low               <ul style="list-style-type: none"> <li>• ...</li> </ul> </li> <li>• Potential Complexity: High, Medium, Low               <ul style="list-style-type: none"> <li>• Design: ...</li> <li>• Implementation: ...</li> </ul> </li> <li>• Potential Risk               <ul style="list-style-type: none"> <li>• ...</li> </ul> </li> </ul> </li> </ul>
<p><b>SIR# TITLE, COMPANY</b></p> <ul style="list-style-type: none"> <li>• Potential Value Add           <ul style="list-style-type: none"> <li>• SPP Strategic Plan Alignment</li> <li>• SPP MMU ASOM Recommendation Alignment</li> <li>• Market Philosophy Impacts: Market Efficiency, Market Reliability, Price Formation, Price Convergence, Market Transparency</li> <li>• ...</li> </ul> </li> </ul>	<p><b>SIR# TITLE, COMPANY</b></p> <ul style="list-style-type: none"> <li>• SPP Comments           <ul style="list-style-type: none"> <li>• ...</li> </ul> </li> </ul>	<p><b>SIR# TITLE, COMPANY</b></p> <ul style="list-style-type: none"> <li>• SPP MMU Comments           <ul style="list-style-type: none"> <li>• ...</li> </ul> </li> </ul>

# ROADMAP VALUE & IMPACT ASSESSMENT

## Potential Impact

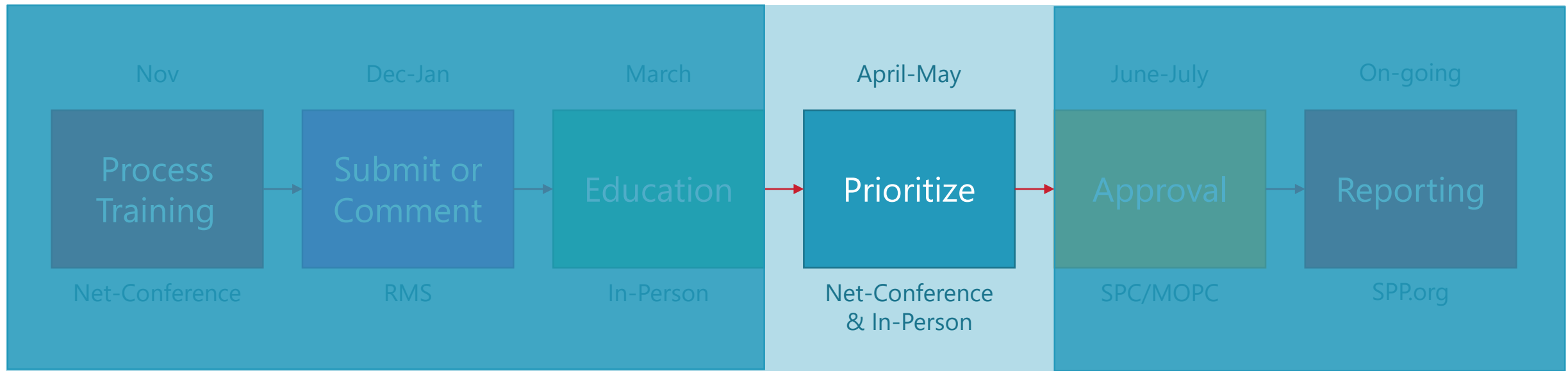
- Design & Implementation Complexity
- System Impact
- Resource Impact
- Budget Impact
- Functional Area Specific Impacts
  - *Example: Markets*
    - *MCE Performance*



## Potential Value

- Alignment Strategic Plan
- Alignment MMU ASOM
- Other Value – Resource/Budget
- Functional Area Strategic Goal Alignment
  - *Example: Markets*
    - *Enhancement Market Philosophy*
      - *Market efficiency*
      - *Market reliability*
      - *Market transparency*
      - *Price formation*
      - *Price convergence*

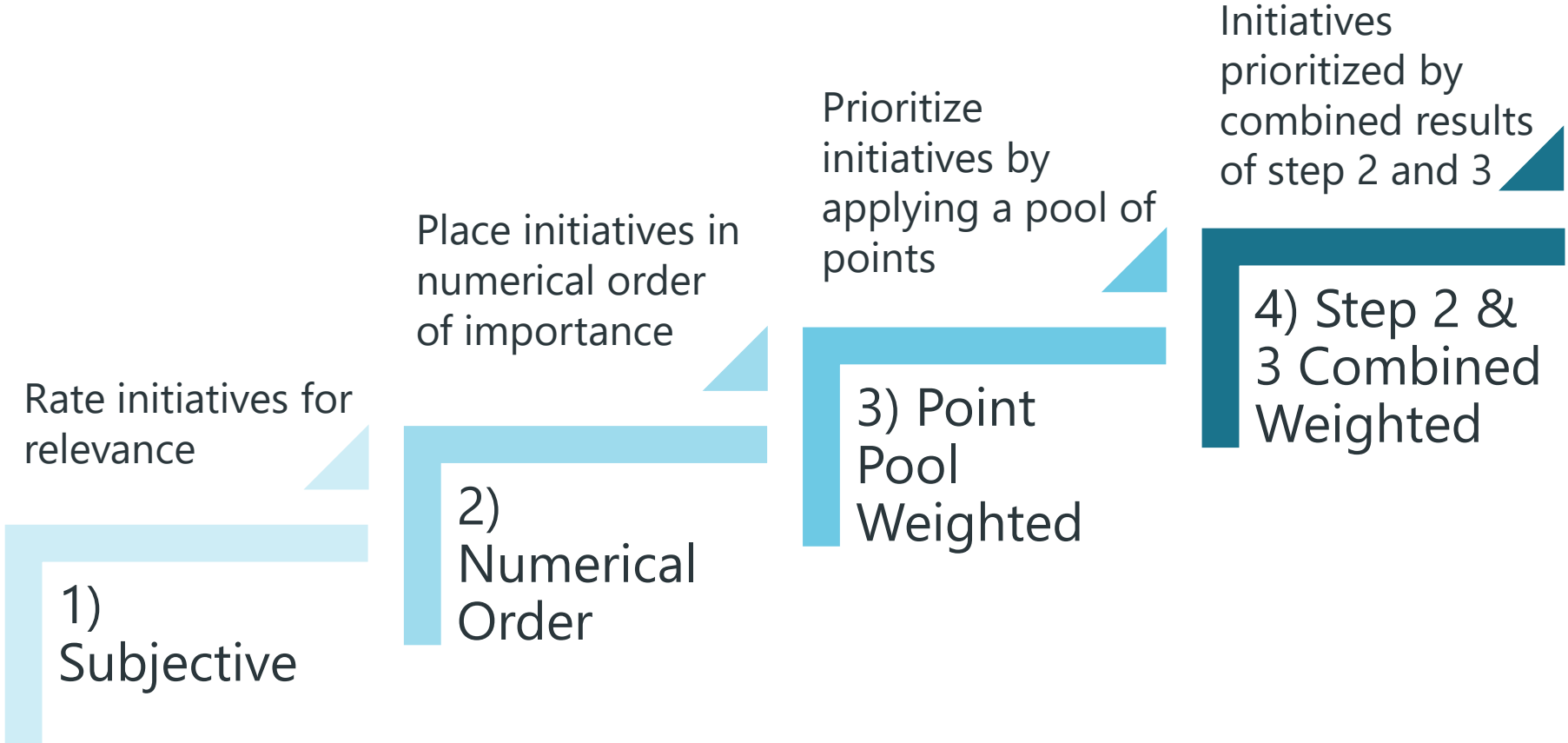




- Prioritization of “what”
- Stakeholders, SPP, and SPP MMU will participate in ranking
- Online survey or prioritization tool
- Subjective and programmatic ranking – 4 tier methodology
- Certain items may necessitate a “fixed” priority
  - FERC Order
  - NERC Standard
  - BOD directive
- Initiatives near completion are not re-ranked, rank rolls forward
  - Considering within 18 months from MOPC approval

Prioritize

# INITIATIVE PRIORITIZATION



## Survey Results

# Roadmap

# ROADMAP PRIORITIZATION - SUBJECTIVE

- Includes one question - strongly agree, agree, disagree, or strongly disagree
- Provides qualitative opportunity to indicate where initiatives should or should not be included
  - This initiative aligns with SPP's Strategic Plan and meets the qualification criteria, as defined in the Strategic Market Roadmap Development Process, to be included in the Strategic Market Roadmap
  - Assign 1 point for Strongly Agree, 2 points for Agree, 3 points for Disagree, and 4 points for Strongly Disagree

# ROADMAP PRIORITIZATION - NUMERIC

- Involves placing initiatives in numerical order of importance
  - (One (1) through X – where X is the total number of initiatives).

# ROADMAP PRIORITIZATION – POINT POOL

- Using a point pool to indicate importance
- Higher amount of points applied results in a higher ranking
- Point pool determined by applying a factor equal to 5 times the total number of initiatives.
  - Point cap per initiative enforced to ensure sufficient number of initiatives ranked
  - Point cap equal to 30% of total point pool
  - Must use all points
  - May not use same amount of points on any two initiatives, unless zero
    - Initiatives receiving zero points from all respondents will be removed from the list

## Example

### Point Pool Calculation:

- 33 initiatives \* 5 = 165 point factor
- 33 initiatives \* 165 point factor = 5,445 total point pool

### Point Cap Calculation:

- 5,445 total point pool \* 30% cap = 1,634 point cap

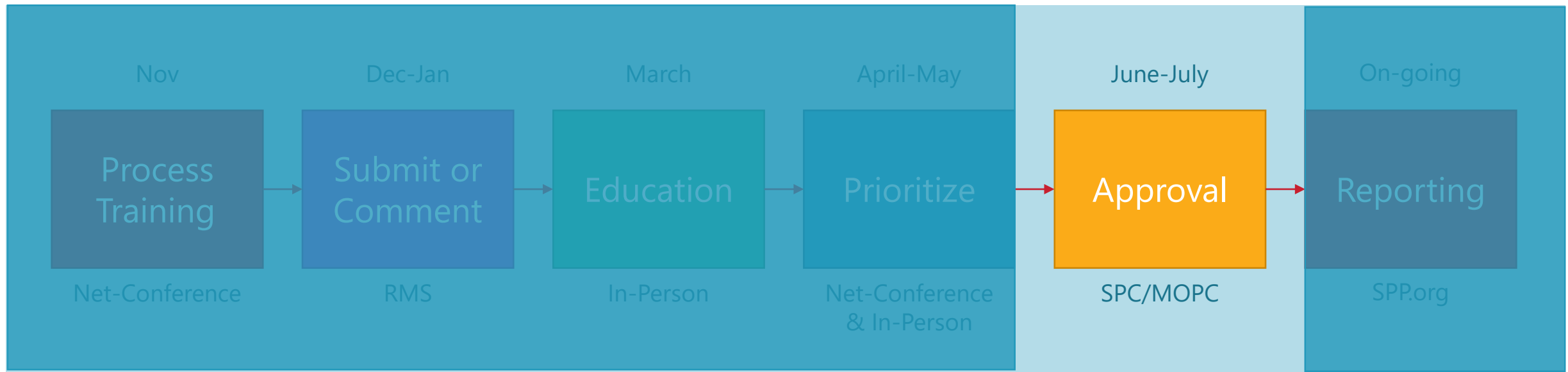
# ROADMAP PRIORITIZATION - COMBINED

- Numerical and point pool combined weighted prioritization
- SPP inputs stakeholders' results to prioritization tool
- Initiative prioritization combined from both the numeric order and point pool prioritization steps
- Tool programmatically determines final proposed initiative prioritization for stakeholder review, check and adjust

Initiative	MWG	SPP	MMU
SIR 18 - HITT R3c: Multi-Day Market	1	4	2
SIR 17 - HITT R3b: Fast Start Resources (Enhancement)	2	2	3
SIR 19 - HITT R4: Implement Uncertainty Market Product	3	1	1
SIR 13, SIR 50 - HITT M2: Study Offer Reqs for VERs, Incentive for Renewables in Day Ahead Market	4	6	4
SIR 15, SIR 28, SIR 41 - HITT M4: Study Economic Evaluations of Reliability, Outage Mitigation, TOP Incen	5	7	7
SIR 16 - HITT R1-2: Study and Implement ERS and ORS Compensation Models Based on Study Results	6	5	8
SIR 14 - HITT M3: Study Mitigation of Unduly Low Offers that Create Uneconomic Dispatch	7	8	5
SIR 12 - HITT M1: Implement Congestion Hedging Improvements	8	3	6
SIR 30 - Energy Storage Resources Phase 2	9	14	18
SIR 7, SIR 9 - Decommittment and Enhanced Commitment	10	9	12
SIR 35 - Reduce Self-Commitments and Consider Extending DA Market	11	13	11
SIR 24, SIR 45 - MCR Design Expansion and Enhancements & MCR Logic	12	18	20
SIR 38 - RTBM Submit Timing	13	16	19
SIR 21, SIR 49 - Interface Pricing & Interfacing Pricing Granularity	13	25	39
SIR 8 - Distributed Energy Resources for Markets	15	15	24
SIR 44 - Ancillary Service Buyback Risk	16	17	37

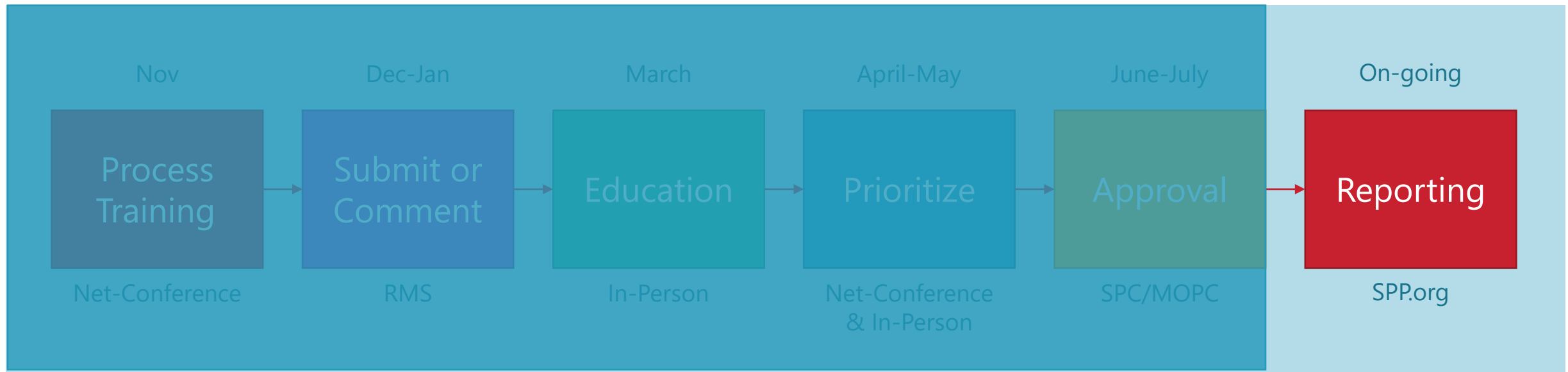
# ROADMAP PRIORITIZATION

- The roadmap is a relative priority of what initiatives will be considered and when
- Initiatives may be grouped and aligned
  - Some may run simultaneously
  - Others may need to occur before or after another
- Dynamic environment with diverse and changing needs requires flexibility
  - Ad hoc initiative assessment
  - Resource constraints



- SPC ensures alignment with Strategic Plan
- SPC makes recommendation to MOPC
- MOPC review/approval
- Approved roadmap is input to SPP PMO, budgeting processes, stakeholder processes





- Monthly Roadmap Initiative Status Report
  - Posted to SPP Roadmap page
- Changes highlighted and discussed at relevant stakeholder groups and MOPC
- SPP Roadmap Initiative Master List updated continuously
  - Serves as initiative dashboard

# ROADMAP WEBPAGE

[HTTPS://WWW.SPP.ORG/STAKEHOLDER-CENTER/SPP-ROADMAP/](https://www.spp.org/stakeholder-center/spp-roadmap/)

- Process & Training
- Initiative Documentation
- Forms and Templates
- Timeline
- Meeting Registration

## STRATEGIC ROADMAP

### Roadmap Overview (PDF)

Through the annual strategic roadmap development process, SPP staff and stakeholders identify, educate, rank and approve new and existing initiatives for development over the next two to five years. The process ensures SPP is fulfilling the greatest needs for growth and enhancement, considering both economics and reliability. Moreover, the strategic roadmap process enables us to balance and understand our stakeholders' diverse interests, placing us on a unified path to achieving our collective strategic goals and creating sustainable long-term value.

The roadmap fosters SPP's **value proposition** and ensures the **SPP Strategic Plan's foundational strategies** are driving initiatives. Alignment with the foundational strategies ensures SPP will continue to create the capabilities and operational processes necessary to fulfill SPP's mission and improve its value propositions while being challenged by a rapidly changing environment.




### 2020-2021 Strategic Market Roadmap phases (specific dates TBD)

- Strategic Roadmap Development Process Training: Oct. 28 & 30, 2020
- Strategic Initiative Submission Period: Nov. 1, 2020 – Jan. 15, 2021
- Strategic Initiative Comment Period: Nov. 1, 2020 – Jan. 31, 2021
- Candidate Initiative Education Sessions: February 2021
  - Market (MWG): TBD
  - Operations (ORWG): TBD
  - Planning:
    - Transmission Planning (TWG, ESWG): TBD
    - Transmission Service (TWG): TBD
    - Generation Interconnection (TWG): TBD
    - Modeling (TWG, MDAG): TBD
  - Supply Adequacy (SAWG): TBD
- Candidate Initiative Ranking/Prioritization: March 2021
  - Market (MWG): TBD
  - Operations (ORWG): TBD
  - Planning:
    - Transmission Planning (TWG, ESWG): TBD
    - Transmission Service (TWG): TBD
    - Generation Interconnection (TWG): TBD
    - Modeling (TWG, MDAG): TBD





## STAKEHOLDER CENTER

- [Customer Relations](#) >
- [Customer Training](#) >
- [Exploder Lists](#)
- [Join SPP](#)
- [RMS Link](#)
- [RMS Metrics](#)
- [SPP Learning Center](#)
- [SPP Roadmap](#)
- [SPP Revision Requests](#)
- [SPP RTO Compliance](#) >
- [SPP Tariff](#)
- [Stakeholder Prioritization](#)

## RELATED DOCUMENTS

-  [SPP Roadmap Initiative Comment Form](#)
-  [SPP Roadmap Initiative Submission Form](#)
-  [SPP Roadmap Overview](#)

## RELATED DOCUMENT GROUPS

-  [Roadmap Initiative Forms](#)
-  [Roadmap Initiatives](#)
-  [Roadmap Process and Training](#)
-  [Roadmap Tracking and Reporting](#)

# ROADMAP COMMUNICATION

[HTTPS://WWW.SPP.ORG/STAKEHOLDER-CENTER/EXPLODER-LISTS/](https://www.spp.org/stakeholder-center/exploder-lists/)

- Notification via “SPP Exploder”
  - Roadmap Training
  - Initiative Submission
  - Initiative Comment
  - Timeline
  - Meeting Registration
  - Roadmap approval
  - Ad hoc additions/changes to prioritization

## EXPLODER LISTS

SPP communicates with its stakeholders regarding the activities of its organizational groups and other topics via email exploders. A list of the currently active exploders is below.

If you would like to subscribe to one or more exploders but do not have an account, you may **create one** using the Create Account button at the top right.

Registered users who are logged in may subscribe and unsubscribe to exploders via their **profile page**.

# **ROADMAP DEVELOPMENT ANALYSIS (MARKET ROADMAP)**

# Requesting SPC endorsement of the “2020 Strategic Market Roadmap”

2020 Strategic Market Roadmap			
Rank	Initiative	Est. Start	Est. MOPC
1	SIR 19 - HITT R4: Implement Uncertainty Market Product	2019	2020
2	SIR 17 - HITT R3b: Implement Marketplace Enhancements: Fast Start Resources (Enhancement)	2019	2020
3	SIR 12 - HITT M1: Implement Congestion Hedging Improvements	2019	2020
4	SIR 18 - HITT R3c: Implement Marketplace Enhancements: Multi-Day Market (Phase 1 & 2)	2019	2022
5	SIR 16 - HITT R1-2: Study and Implement ERS and ORS Compensation Models Based on Study Results (Phase 1 & 2)	2019	2022
6	SIR 15, SIR 28, SIR 41 - HITT M4: Study Economic Evaluations of Reliability, Outage Mitigation, TOP Incentives (Phase 1)	2019	2020
7	SIR 13, SIR 50 - HITT M2: Study Offer Requirements for VERs, Incentive for Renewables in Day Ahead Market (Phase 1)	2019	2021
8	SIR 14 - HITT M3: Study Mitigation of Unduly Low Offers that Create Uneconomic Dispatch	2019	2021
9	SIR 30 - HITT S3: Energy Storage Resources & ESR Phase 2 (Phase 1)	2020	2021
10	SIR 7, SIR 9 - Decommitment & Enhanced Commitment	2020	2021
11	SIR 35 - Reduce Self-Commitments & Consider Extending DA Market	2020	2021
12	SIR 38 - RTBM Submit Timing & SIR22 - Limit Market Power Through Physical Parameters	2020	2021
13	SIR 24, SIR 45 - MCR Design Expansion and Enhancements & MCR Logic	2021	2022
14	SIR 32 - Price formation During Conservative Operations & Emergency Conditions	2020	2022
15	SIR 29 - Overlapping Congestion Across Seams	2021	2022
16	SIR 8 - Distributed Energy Resources for Markets	2021	2023
17	SIR 36 - Reg-up for VERS	2021	2022
18	SIR 42 - Transactional Incentives and Scheduling Inefficiencies (Phase 1)	2019	2020
19	SIR 20 - Improved Economic Incentive of Regulation Mileage	2021	2022
20	SIR 53 - Cost Allocation	2024	2026
21	SIR 44 - Ancillary Service Buyback Risk	2021	2022
22	SIR 25 - DC TIE Optimization	2021	2022
23	SIR 5 - Coordinated Transaction Scheduling	2022	2024
24	SIR 10 - FFE Exchange Process	2021	2022
25	SIR 31 - Pre Synchronization Unit Commitment	2022	2023
26	SIR 6 - DA Must Offer and Physically Withholding	2022	2023
27	SIR 51 - Dynamic Scheduling Interchange	2023	2024
28	SIR 52 - DVER Ramp Rate Limits	2022	2023
29	SIR 21, SIR 49 - Interface Pricing & Interfacing Pricing Granularity	2022	2024
30	SIR 11 - Generalized DC	2024	2025
31	SIR 23 - Market-to-Market Allocations	2022	2023
32	SIR 37 - Resource Ramp Rate Interaction	2023	2024
33	SIR 1 - Actual Meter Data for Initials & State Estimator Load Value Tolerance	2024	2025
34	SIR 34 - Real-Time Hedging Product	2022	2024
PL	SIR 33 - Protect Day-Ahead Margin	TBD	TBD
PL	SIR 3 - Cold Start Logic	TBD	TBD
PL	SIR 47 - Enhanced Visual Tools SPP Website	TBD	TBD



# ROADMAP RANKING & PRIORITIZATION

- MWG, SPP RTO Staff, SPP MMU Staff, interested stakeholders
- 53 Initiatives submitted, evaluated in education (1) and ranking & prioritization sessions (2)
  - Removed 9 initiatives
  - Combined 13 initiatives
- 44 Initiatives ranked and prioritized
- 3 priority buckets

High Priority  
19 Initiatives (9 HITT)  
2019-2020

Medium Priority  
22 Initiatives  
2020-2024

Parking Lot  
3 Initiatives  
No Schedule

- 2019-2024



# ROADMAP RANKING & PRIORITIZATION

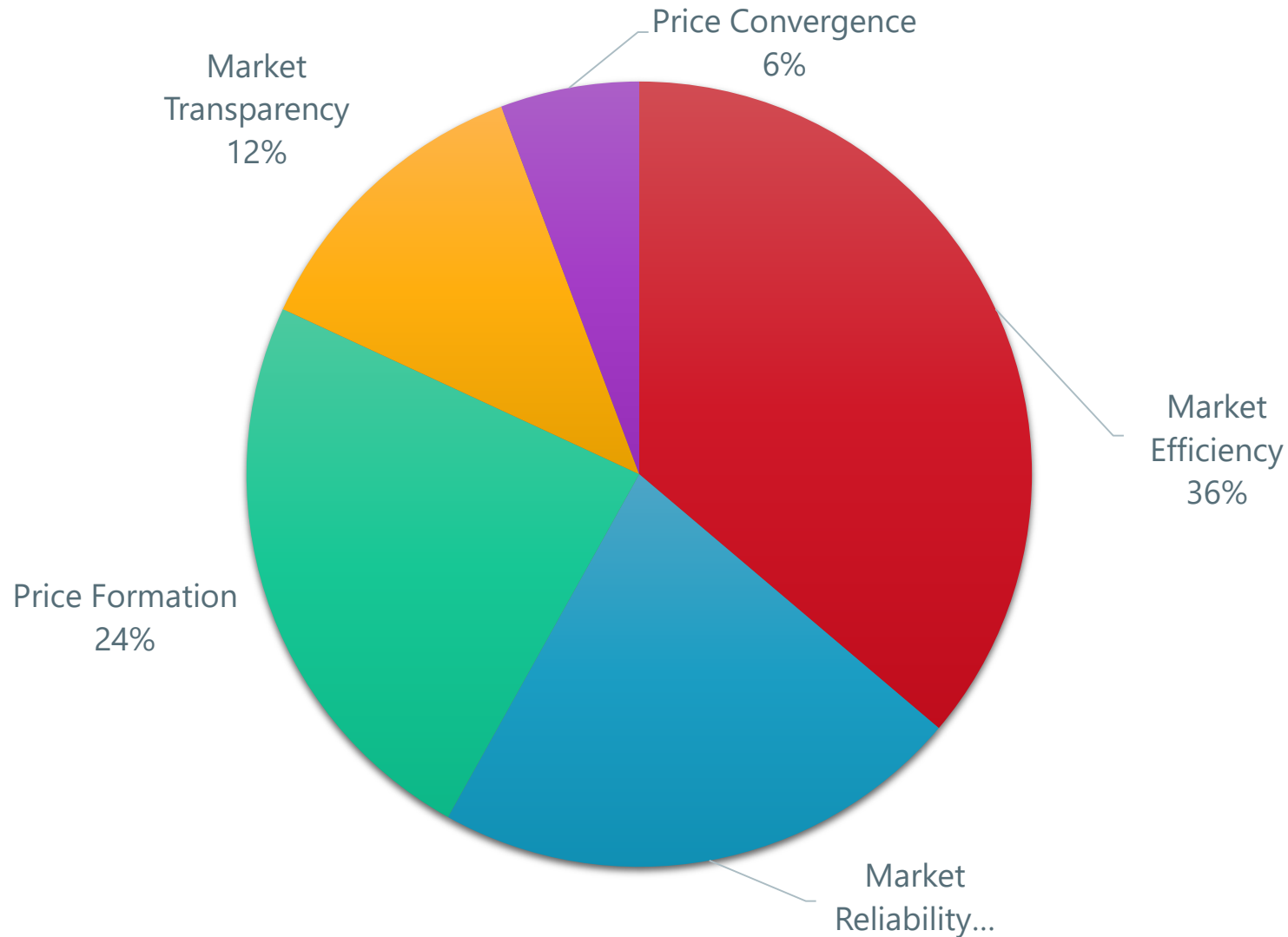
- Initiatives evaluated for value and impact
  - Alignment with Strategic Plan
  - Alignment with MMU issues and ASOM recommendations
  - Enhancement of Key Market Philosophies
    - Market Reliability
    - Market Efficiency
    - Market Transparency
    - Price Formation
    - Price Convergence
  - Potential Impact
    - Design and Implementation Complexity
    - MCE Performance
    - System Changes
  - Other Functional Area Impacts (Planning and Operations)

## Transparent and Collaborative

MWG Members and Stakeholders  
SPP RTO Staff  
SPP MMU Staff

# ROADMAP RANKING & PRIORITIZATION RESULTS

## Market Philosophy Enhancements

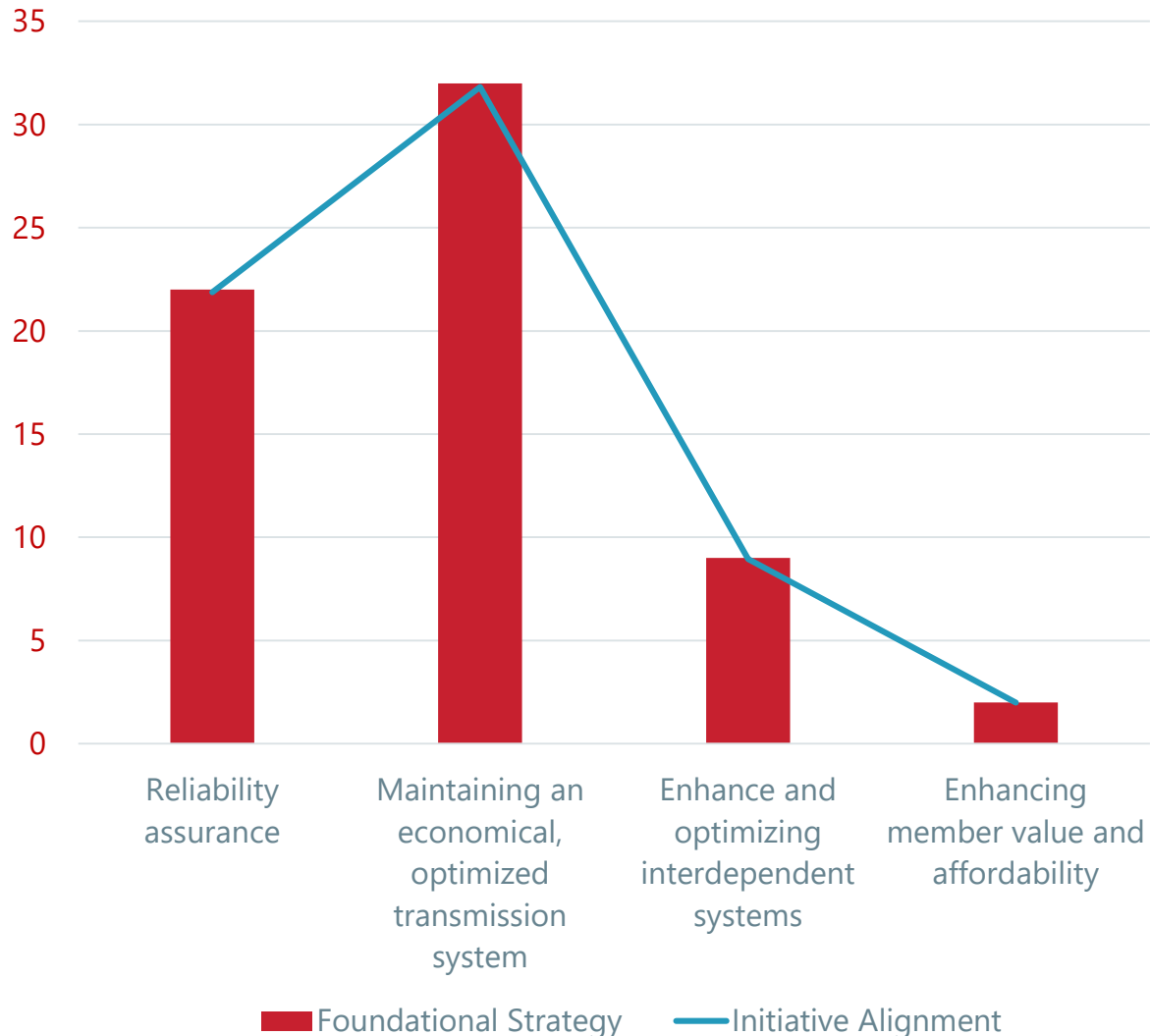


- 36% potentially enhance market efficiency (38/44)
- 24% potentially enhance price formation (25/44)
- 22% potentially enhance market reliability (23/44)
- 12% potentially enhance market transparency (13/44)
- 6% potentially enhance price convergence (6/44)
- *Not included - 2/44 decrease Market Transparency and 4/44 increase risk of opportunity for Market Manipulation*



# ROADMAP RANKING & PRIORITIZATION RESULTS

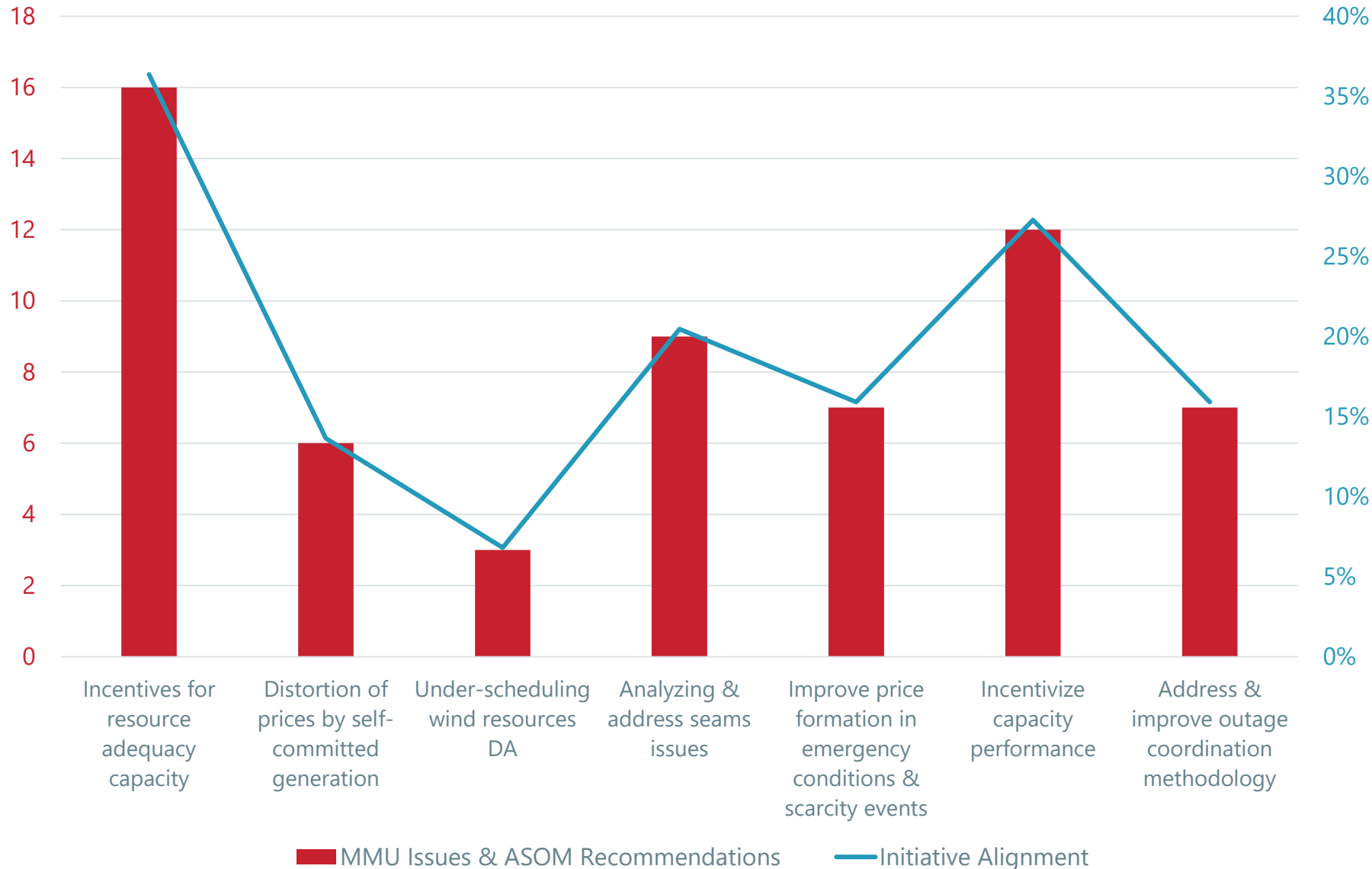
Alignment with Foundational Strategies



- 50% - Align with "Reliability Assurance"
  - Integration of VERS, Security Resilience, Reliability Excellence, and/or Regional Resource Needs
- 73% - Align with "Maintaining an economical, optimized transmission system"
  - ARR/TCR Feasibility, Optimized Strategies for the Future, and/or Value Pricing
- 20% - Align with "Enhance and Optimizing Interdependent Systems"
  - Transmission (Seams), Optimize Markets Efficiencies Along the Seams, and/or Grid Resilience
- 5% - Align with "Enhancing Member Value and Affordability"
  - Communication Strategy, PMO Best Practices, and Strategic Membership Expansion

# ROADMAP RANKING & PRIORITIZATION RESULTS

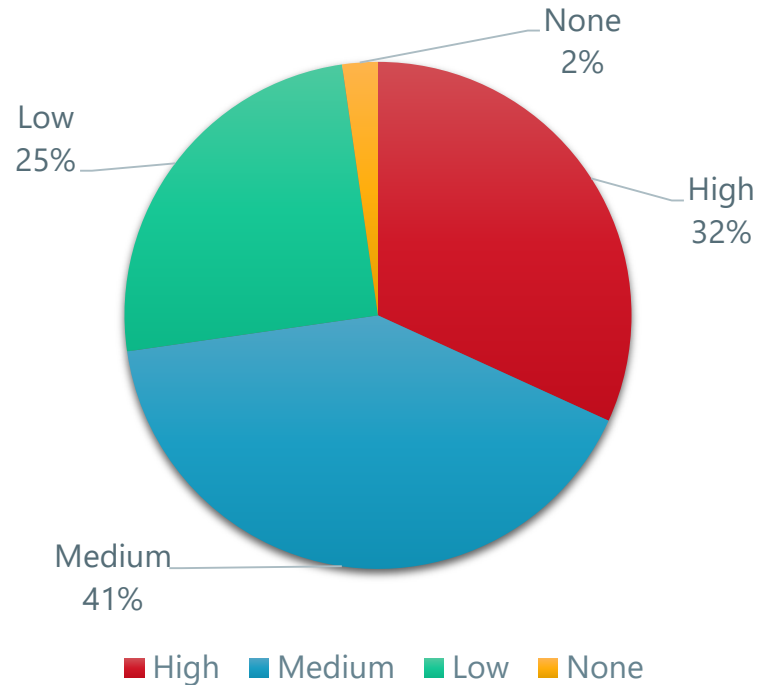
MMU Issues & ASOM Recommendation Alignment



- **36%** address "Incentives for resource adequacy capacity" (16/44)
- **27%** address "Incentivize capacity performance" (12/44)
- **20%** address "Analyzing and addressing seams issues" (9/44)
- **16%** address "Improve Price formation during emergency conditions and scarcity events" (7/44)
- **16%** address "Update and improve outage coordination methodology" (7/44)
- **14%** address "Distortion of prices by self-committed generation" (6/44)
- **7%** address "Under-scheduling of wind resources in DA" (3/44)

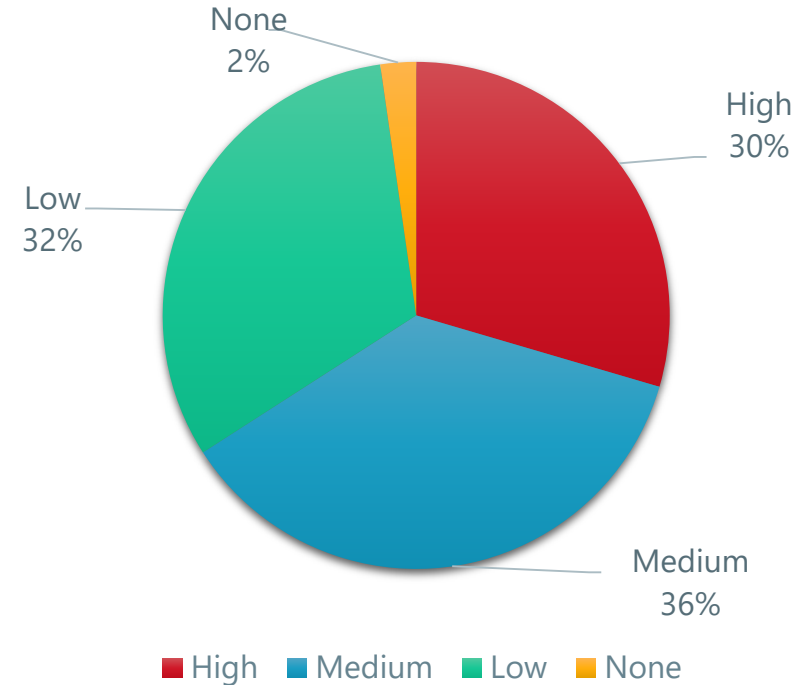
# ROADMAP RANKING & PRIORITIZATION RESULTS

## Design Complexity



- **High** - 32% potentially involve a highly complex process to research and analyze design options (14/44)
- **Medium** - 41% potentially involve a moderately complex process to research and analyze design options (18/44)
- **Low** – 25% potentially involve a minimally complex process to research and analyze design options (11/44)
- **None** – 2% will not involve any level of complexity to research and analyze design options (1/44)

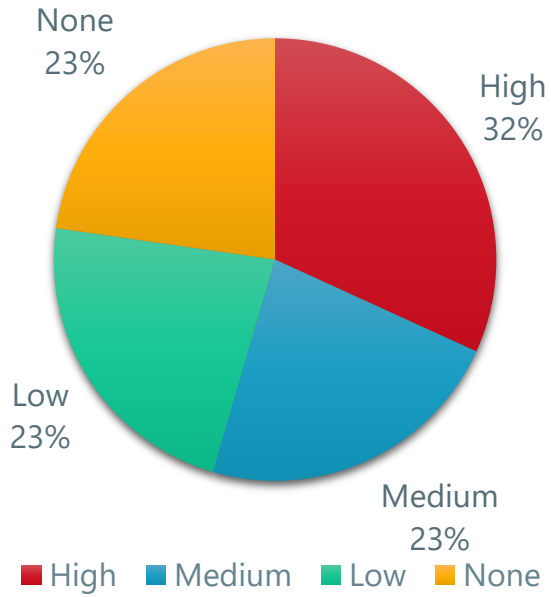
## Implementation Effort



- **High** - 30% potentially involve a highly complex process to implement the chosen design (13/44)
- **Medium** – 36% potentially involve a moderately complex process to implement the chosen design (16/44)
- **Low** – 25% potentially involve a minimally complex process to implement the chosen design (14/44)
- **None** – 2% no level of complexity to implement (1/44)

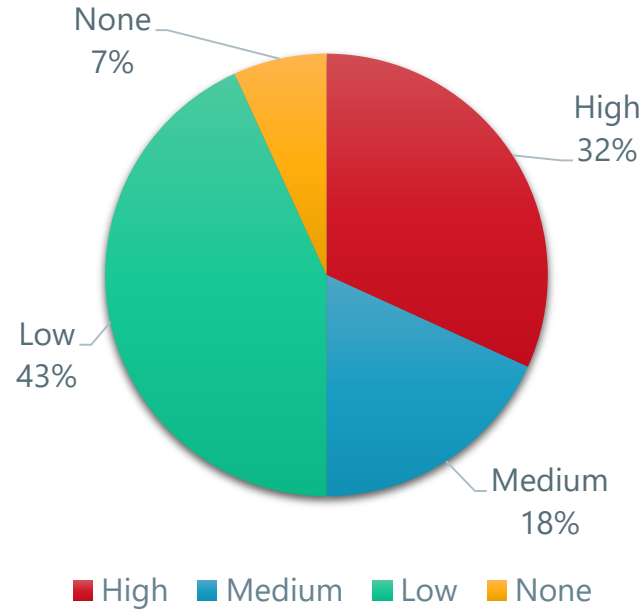
# ROADMAP RANKING & PRIORITIZATION RESULTS

## MCE Performance Impact



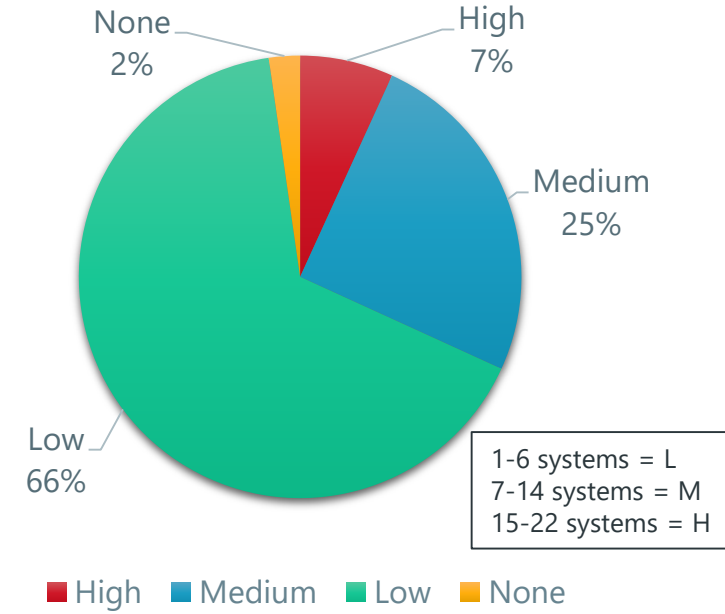
- **High – 32%** potentially highly impact MCE performance (14/44)
- **Medium – 23%** potentially moderately impact MCE performance (10/44)
- **Low – 23%** potentially minimally impact MCE performance (10/44)
- **None – 23%** will not have an impact on MCE performance (10/44)

## Overall Market SW Impact



- **High – 32%** potentially require highly involved system changes (14/44)
- **Medium – 18%** potentially require moderately involved system changes (8/44)
- **Low – 43%** potentially require minimally involved system changes (19/44)
- **None – 7%** will not impact systems in a substantial way (3/44)

## Number of Systems Impacted



- **High – 7%** impacted a high number of systems (3/44)
- **Medium – 25%** impacted a moderate number of systems (11/44)
- **Low – 66%** impacted a low number of systems (29/44)
- **None – 2%** did not have system impacts (1/44)

Rank	Initiative	Est. Start	Est. MOPC Approval	SPP	MWG	MMU	All
1	SIR 19 - HITT R4: Implement Uncertainty Market Product	2019	2020	1	3	1	1.7
2	SIR 17 - HITT R3b: Implement Marketplace Enhancements: Fast Start Resources (Enhancement)	2019	2020	2	2	3	2.3
3	SIR 12 - HITT M1: Implement Congestion Hedging Improvements	2019	2020	3	8	6	5.7
4	SIR 18 - HITT R3c: Implement Marketplace Enhancements: Multi-Day Market (Phase 1 and 2)	2019	2022	4	1	2	2.3
5	SIR 16 - HITT R1-2: Study & Implement ERS/ORS Compensation Models Based on Study Results (Phase 1 & 2)	2019	2022	5	6	8	6.3
6	SIR 15, SIR 28, SIR 41-HITT M4: Study Eco Evaluations of Reliability, Outage Mitigation, TOP Incentives (Phase 1)	2019	2020	7	5	7	6.3
7	SIR 13, SIR 50-HITT M2: Study Offer Reqs for VERs, incentive for Renewables in Day Ahead Market (Phase 1)	2019	2021	6	4	4	4.7
8	SIR 14 - HITT M3: Study Mitigation of Unduly Low Offers that Create Uneconomic Dispatch	2019	2021	8	7	5	6.7
9	SIR 30 - HITT S3: Energy Storage Resources and ESR Phase 2 (phase 1)	2020	2021	9	10	12	10.3
10	SIR 7, SIR 9 - Decolmitment and Enhanced Commitment	2020	2021	13	11	11	11.7
11	SIR 35 - Reduce Self-Commitments and Consider Extending DA Market	2020	2021	14	9	18	13.7
12	SIR 38 - RTBM Submit Timing and SIR22 - Limit Market Power Through Physical Parameters	2020	2021	16	13	19	16.0
13	SIR 24, SIR 45 - MCR Design Expansion and Enhancements & MCR Logic	2021	2022	21	16	16	17.7
14	SIR 32 - Price formation During Conservative Operations and Emergency Conditions	2020	2022	18	12	20	16.7
15	SIR 29 - Overlapping Congestion Across Seams	2021	2022	15	15	24	18.0
16	SIR 8 - Distributed Energy Resources for Markets	2021	2023	11	23	22	18.7
17	SIR 36 - Reg-up for VERS	2021	2022	10	34	15	19.7
18	SIR 42 - Transactional Incentives and Scheduling Inefficiencies (Phase 1)	2019	2020	24	19	9	17.3
19	SIR 20 - Improved Economic Incentive of Regulation Mileage	2021	2022	20	20	21	20.3
20	SIR 53 - Cost Allocation	2024	2026	38	27	23	29.3
21	SIR 44 - Ancillary Service Buyback Risk	2021	2022	27	18	17	20.7
22	SIR 25 - DC TIE Optimization	2021	2022	17	16	37	23.3
23	SIR 5 - Coordinated Transaction Scheduling	2022	2024	32	23	13	22.7
24	SIR 10 - FFE Exchange Process	2021	2022	12	30	26	22.67
25	SIR 31 - Pre Synchronization Unit Commitment	2022	2023	27	27	27	27.0
26	SIR 6 - DA Must Offer and Physically Withholding	2022	2023	19	18	17	18.0
27	SIR 51 - Dynamic Scheduling Interchange	2023	2024	23	32	28	27.7
28	SIR 52 - DVER Ramp Rate Limits	2022	2023	27	23	14	21.3
29	SIR 21, SIR 49 - Interface Pricing & Interfacing Pricing Granularity	2022	2024	22	21	24	22.3
30	SIR 11 - Generalized DC	2024	2025	28	31	32	30.3
31	SIR 23 - Market-to-Market Allocations	2022	2023	28	28	28	28.0
32	SIR 37 - Resource Ramp Rate Interaction	2023	2024	31	26	27	28.0
33	SIR 1 - Actual meter data for Initials and State Estimator Load Value Tolerance	2024	2025	41	21	31	31.0
34	SIR 34 - Real-Time Hedging Product	2022	2024	25	13	39	25.7
PL	SIR 33 - Protect Day-Ahead Margin	TBD	TBD	29	37	29	31.7
PL	SIR 3 - Cold Start Logic	TBD	TBD	33	27	37	32.3
PL	SIR 47 - Enhanced Visual Tools SPP Website	TBD	TBD	37	29	34	33.3

- 14 Initiatives ongoing/new, includes 9 HITT initiatives

Rank	Initiatives	Est. Research and Analysis Start	Est. MOPC Approval
1	SIR 19 - HITT R4: Implement Uncertainty Market Product	2019	2020
2	SIR 17 - HITT R3b: Implement Marketplace Enhancements: Fast Start Resources (Enhancement)	2019	2020
3	SIR 12 - HITT M1: Implement Congestion Hedging Improvements	2019	2020
4	SIR 18 - HITT R3c: Implement Marketplace Enhancements: Multi-Day Market (Phase 1 and 2)	2019	2022
5	SIR 16 - HITT R1-2: Study and Implement ERS and ORS Compensation Models Based on Study Results (Phase 1 & 2)	2019	2022
6	SIR 15, SIR 28, SIR 41 - HITT M4: Study Eco Evaluations of Reliability, Outage Mitigation, TOP Incentives (Phase 1)	2019	2020
7	SIR 13, SIR 50 - HITT M2: Study Offer Reqs for VERs, Incentive for Renewables in DA Market (Phase 1)	2019	2021
8	SIR 14 - HITT M3: Study Mitigation of Unduly Low Offers that Create Uneconomic Dispatch	2019	2021
9	SIR 30 - HITT S3: Energy Storage Resources and ESR Phase 2 (phase 1)	2020	2021
10	SIR 7, SIR 9 - Decommitment and Enhanced Commitment	2020	2021
11	SIR 35 - Reduce Self-Commitments and Consider Extending DA Market	2020	2021
12	SIR 38 - RTBM Submit Timing and SIR22 - Limit Market Power Through Physical Parameters	2020	2021
14	SIR 32 - Price formation During Conservative Operations and Emergency Conditions	2020	2022
18	SIR 42 - Transactional Incentives and Scheduling Inefficiencies (Phase 1)	2019	2020

# 2019 – 2020

## A living work plan for enhancing SPP's Future

	+	+	+	-	-	-	-	-
SIR 19 - HITT R4: Implement Uncertainty Market Product	H	H	H	H	H	M	H	L
SIR 17 - HITT R3b: Implement Marketplace Enhancements: Fast Start Resources (Enhancement)	M	H	L	M	H	H	L	L
SIR 12 - HITT M1: Implement Congestion Hedging Improvements	M	M	NA	H	M	L	H	L
SIR 18 - HITT R3c: Implement Marketplace Enhancements: Multi-Day Market	M	H	M	H	M	H	H	L
SIR 16 - HITT R1-2: Study and Implement ERS and ORS Compensation Models Based on Study Results	H	H	M	M	M	M	H	M
SIR 15 - HITT M4: Study Economic Evaluations of Reliability	H	H	L	H	H	H	M	H
SIR 28 - Outage Mitigation	M	M	L	H	H	H	L	M
SIR 41 - TOP Incentives	M	M	L	H	H	H	H	M
SIR 13 - HITT M2: Study Offer Requirements for VERs	M	H	L	L	L	L	M	L
SIR 50 - Incentive for Renewables in Day Ahead Market	M	M	L	M	M	M	H	L
SIR 14 - HITT M3: Study Mitigation of Unduly L Offers that Create Uneconomic Dispatch	H	H	NA	L	L	L	H	L
SIR 30 - HITT S3: Energy Storage Resources and ESR Phase 2	L	H	L	H	H	H	M	L
SIR 7 - Decommitment	M	M	L	H	M	H	L	M
SIR 9 - Enhanced Commitment	M	M	M	H	M	M	M	L
SIR 35 - Reduce Self-Commitments and Consider Extending DA Market	M	M	H	M	M	H	M	L
SIR 38 - RTBM Submit Timing and SIR22 - Limit Market Power Through Physical Parameters	M	NA	L	M	M	L	L	L
SIR 22 - Limit Market Power Through Physical Parameters	M	NA	L	M	M	L	L	L
SIR 32 - Price formation During Conservative Operations and Emergency Conditions	L	M	M	M	M	L	M	L
SIR 42 - Transactional Incentives and Scheduling Inefficiencies	M	M	L	L	L	L	H	L
	1	2	3	4	5	6	7	8

- +** Potential Value Add
  1. Market Philosophy Enhancement
  2. Strategic Plan Alignment
  3. MMU issue/recommendation alignment
- Potential Short-term impact
  4. Design Complexity
  5. Implementation Complexity
- Potential Long-term impact
  6. MCE performance
  7. Overall system change
  8. Number of systems changed

- 8 new initiatives planned to start, 9 initiatives ongoing

Rank	New Initiatives	Est. Research and Analysis Start	Est. MOPC Approval
13	SIR 24, SIR 45 - MCR Design Expansion and Enhancements & MCR Logic	2021	2022
15	SIR 29 - Overlapping Congestion Across Seams	2021	2022
16	SIR 8 - Distributed Energy Resources for Markets	2021	2023
17	SIR 36 - Reg-up for VERS	2021	2022
19	SIR 20 - Improved Economic Incentive of Regulation Mileage	2021	2022
21	SIR 44 - Ancillary Service Buyback Risk	2021	2022
22	SIR 25 - DC TIE Optimization	2021	2022
24	SIR 10 - FFE Exchange Process	2021	2022

	Ongoing Initiatives		
4	SIR 18 - HITT R3c: Implement Marketplace Enhancements: Multi-Day Market (Phase 1 and 2)	2019	2022
5	SIR 16 - HITT R1-2: Study and Implement ERS and ORS Compensation Models Based on Study Results (Phase 1 & 2)	2019	2022
7	SIR 13, SIR 50 - HITT M2: Study Offer Requirements for VERs, Incentive for Renewables in Day Ahead Market (Phase 1)	2019	2021
8	SIR 14 - HITT M3: Study Mitigation of Unduly Low Offers that Create Uneconomic Dispatch	2019	2021
9	SIR 30 - HITT S3: Energy Storage Resources and ESR Phase 2 (phase 1)	2020	2021
10	SIR 7, SIR 9 - Decolmitment and Enhanced Commitment	2020	2021
11	SIR 35 - Reduce Self-Commitments and Consider Extending DA Market	2020	2021
12	SIR 38 - RTBM Submit Timing and SIR22 - Limit Market Power Through Physical Parameters	2020	2021
14	SIR 32 - Price formation During Conservative Operations and Emergency Conditions	2020	2022



		+	+	+	-	-	-	-	
SIR 24 - MCR Design Expansion and Enhancements	M	L	M	M	M	M	L	M	
SIR 45 - MCR Logic	H	L	M	L	L	H	M	L	
SIR 29 - Overlapping Congestion Across Seams	M	L	L	M	L	M	L	L	
SIR 8 - Distributed Energy Resources for Markets	M	M	L	H	H	H	H	H	
SIR 36 - Reg-up for VERS	L	M	NA	L	L	L	L	L	
SIR 20 - Improved Economic Incentive of Regulation Mileage	L	L	NA	M	L	L	L	M	
SIR 44 - Ancillary Service Buyback Risk	M	L	NA	L	M	M	H	L	
SIR 25 - DC TIE Optimization	L	H	L	M	M	H	L	L	
SIR 10 - FFE Exchange Process	L	M	L	M	L	L	L	L	
		1	2	3	4	5	6	7	8

- +** Potential Value Add
  1. Market Philosophy Enhancement
  2. Strategic Plan Alignment
  3. MMU issue/recommendation alignment
- Potential Short-term impact
  4. Design Complexity
  5. Implementation Complexity
- Potential Long-term impact
  6. MCE performance
  7. Overall system change
  8. Number of systems changed

- 7 new initiatives planned to start, 11 initiatives ongoing

Rank	New Initiatives	Est. Research and Analysis Start	Est. MOPC Approval
23	SIR 5 - Coordinated Transaction Scheduling	2022	2024
25	SIR 31 - Pre Synchronization Unit Commitment	2022	2023
26	SIR 6 - DA Must Offer and Physically Withholding	2022	2023
28	SIR52 - DVER Ramp Rate Limits	2022	2023
29	SIR 21, SIR 49 - Interface Pricing & Interfacing Pricing Granularity	2022	2024
31	SIR 23 - Market-to-Market Allocations	2022	2023
34	SIR 34 - Real-Time Hedging Product	2022	2024

	Ongoing Initiatives		
4	SIR 18 - HITT R3c: Implement Marketplace Enhancements: Multi-Day Market (Phase 1 and 2)	2019	2022
5	SIR 16 - HITT R1-2: Study and Implement ERS and ORS Compensation Models Based on Study Results (Phase 1 & 2)	2019	2022
13	SIR 24, SIR 45 - MCR Design Expansion and Enhancements & MCR Logic	2021	2022
14	SIR 32 - Price formation During Conservative Operations and Emergency Conditions	2020	2022
15	SIR 29 - Overlapping Congestion Across Seams	2021	2022
16	SIR 8 - Distributed Energy Resources for Markets	2021	2023
17	SIR 36 - Reg-up for VERS	2021	2022
19	SIR 20 - Improved Economic Incentive of Regulation Mileage	2021	2022
21	SIR 44 - Ancillary Service Buyback Risk	2021	2022
22	SIR 25 - DC TIE Optimization	2021	2022
24	SIR 10 - FFE Exchange Process	2021	2022

		+	+	+	-	-	-	-
SIR 5 - Coordinated Transaction Scheduling	M	M	L	H	H	L	L	M
SIR 31 - Pre Synchronization Unit Commitment	M	L	M	M	H	H	H	M
SIR 6 - DA Must Offer and Physically Withholding	L	M	L	M	L	L	M	L
DVER Ramp Rate Limits	M	L	L	L	L	L	L	L
SIR 21 - Interface Pricing	M	M	L	M	L	L	H	L
SIR 49 - Interfacing Pricing Granularity	M	M	L	L	L	L	H	L
SIR 23 - Market-to-Market Allocations	L	L	L	H	H	L	L	L
SIR 34 - Real-Time Hedging Product	L	L	NA	M	M	H	L	M
	1	2	3	4	5	6	7	8

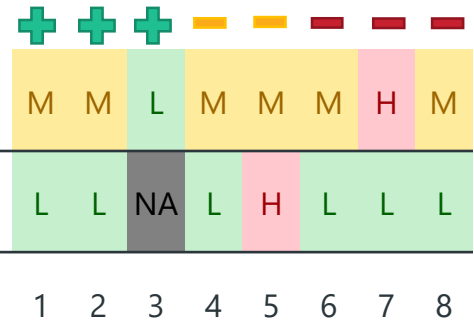
- +** Potential Value Add
  1. Market Philosophy Enhancement
  2. Strategic Plan Alignment
  3. MMU issue/recommendation alignment
- Potential Short-term impact
  4. Design Complexity
  5. Implementation Complexity
- Potential Long-term impact
  6. MCE performance
  7. Overall system change
  8. Number of systems changed

- 2 new initiatives planned to start, 8 initiatives ongoing

Rank	New Initiatives	Est. Research and Analysis Start	Est. MOPC Approval
27	SIR51 - Dynamic Scheduling Interchange	2023	2024
32	SIR 37 - Resource Ramp Rate Interaction	2023	2024

	Ongoing Initiatives		
16	SIR 8 - Distributed Energy Resources for Markets	2021	2023
23	SIR 5 - Coordinated Transaction Scheduling	2022	2024
25	SIR 31 - Pre Synchronization Unit Commitment	2022	2023
26	SIR 6 - DA Must Offer and Physically Withholding	2022	2023
28	SIR52 - DVER Ramp Rate Limits	2022	2023
29	SIR 21, SIR 49 - Interface Pricing & Interfacing Pricing Granularity	2022	2024
31	SIR 23 - Market-to-Market Allocations	2022	2023
34	SIR 34 - Real-Time Hedging Product	2022	2024

Dynamic Schedule Interchange								
SIR 37 - Resource Ramp Rate Interaction								
	1	2	3	4	5	6	7	8



- +** Potential Value Add
  1. Market Philosophy Enhancement
  2. Strategic Plan Alignment
  3. MMU issue/recommendation alignment
- Potential Short-term impact
  4. Design Complexity
  5. Implementation Complexity
- Potential Long-term impact
  6. MCE performance
  7. Overall system change
  8. Number of systems changed

- 3 new initiatives planned to start, 5 initiatives ongoing

Rank	New Initiatives	Est. Research and Analysis Start	Est. MOPC Approval
20	SIR 53 - Cost Allocation	2024	2026
30	SIR 11 - Generalized DC	2024	2025
33	SIR 1 - Actual meter data for Initials and State Estimator Load Value Tolerance	2024	2025

	Ongoing Initiatives		
23	SIR 5 - Coordinated Transaction Scheduling	2022	2024
27	SIR51 - Dynamic Scheduling Interchange	2023	2024
29	SIR 21, SIR 49 - Interface Pricing & Interfacing Pricing Granularity	2022	2024
32	SIR 37 - Resource Ramp Rate Interaction	2023	2024
34	SIR 34 - Real-Time Hedging Product	2022	2024

	+	+	+	-	-	-	-	-
Cost Allocation	M	L	NA	H	H	M	L	H
SIR 11 - Generalized DC	L	M	L	H	H	H	L	M
SIR 1 - Actual meter data for Initials and State Estimator Load Value Tolerance	NA	NA	NA	L	L	L	L	L
	1	2	3	4	5	6	7	8

- + Potential Value Add**
  1. Market Philosophy Enhancement
  2. Strategic Plan Alignment
  3. MMU issue/recommendation alignment
- Potential Short-term impact**
  4. Design Complexity
  5. Implementation Complexity
- Potential Long-term impact**
  6. MCE performance
  7. Overall system change
  8. Number of systems changed

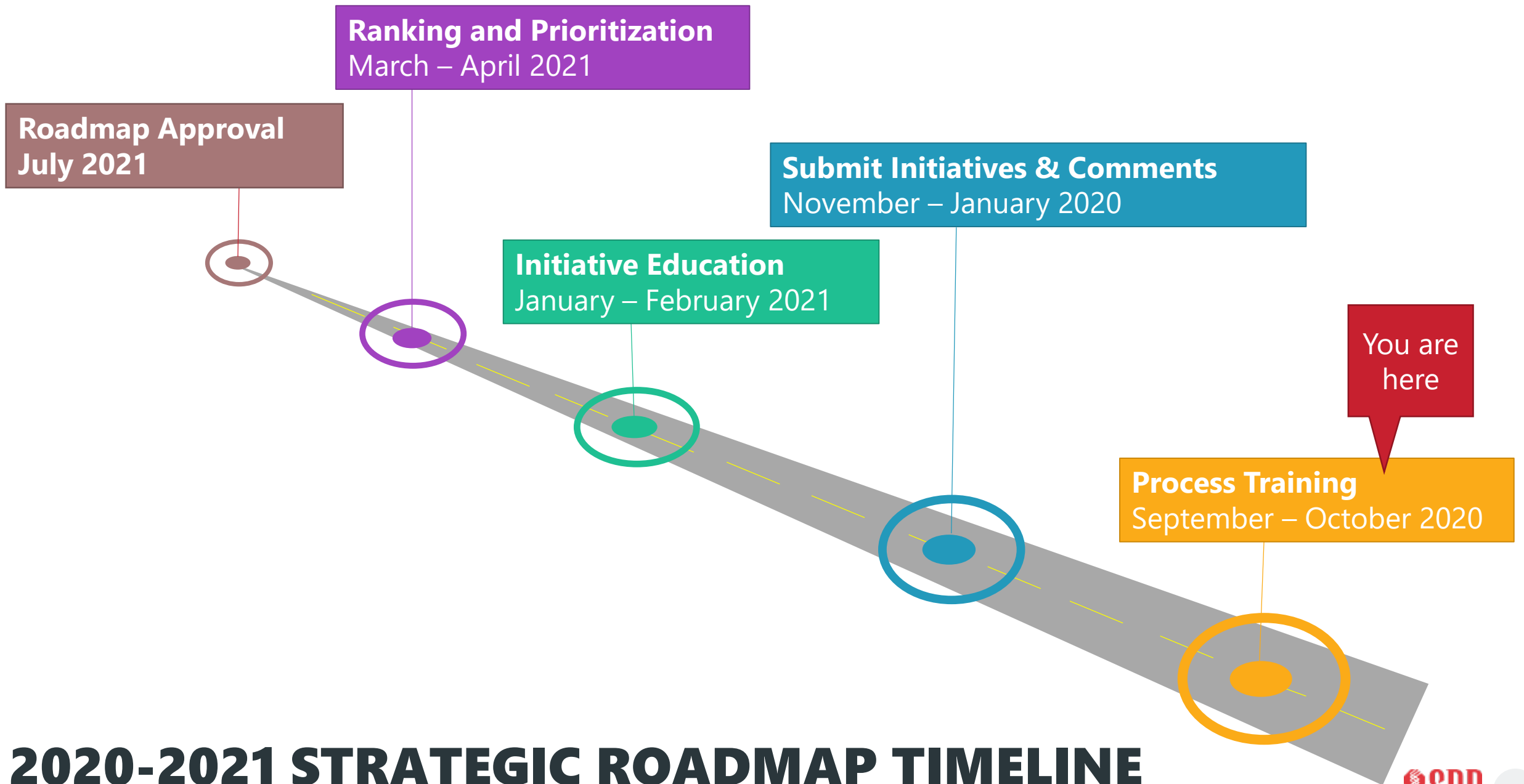
# PARKING LOT

- 3 initiatives not planned

Rank	Initiatives	Est. Research and Analysis Start	Est. MOPC Approval
PL	SIR 33 - Protect Day-Ahead Margin	TBD	TBD
PL	SIR 3 - Cold Start Logic	TBD	TBD
PL	SIR 47 - Enhanced Visual Tools SPP Website	TBD	TBD



# **2020-2021 ROADMAP DEVELOPMENT PROCESS TIMELINE**



# 2020-2021 STRATEGIC ROADMAP TIMELINE

# RESOURCES & REFERENCE

# STRATEGIC MARKET ROADMAP RESOURCES/REFERENCE

- [SPP Roadmap Webpage](#)
  - Forms
  - Process
  - Training
  - FAQ
  - Initiative Candidate List
  - Initiative Master List
- [SPP Roadmap Exploder](#)
- Request Management System
- Erin Cathey – [ecathey@spp.org](mailto:ecathey@spp.org)



# QUESTIONS

Erin Cathey

Senior Market Design Analyst, MWG Staff  
Secretary

[ecathey@spp.org](mailto:ecathey@spp.org)

501-614-3239