



Roundtable Offshore Wind Energy Roadmap

May 15th, 2025

Questions? Public Comment?

At any time (during a meeting or in between) submit a question or public comment:

→ **QR Code**

→ Or via our Google Form:

<https://forms.gle/Mgl4vhn4VYa8YEwYA>

→ Or email:

dlcd.OSWRoadmap@DLCD.oregon.gov



Welcoming and Agenda Overview:

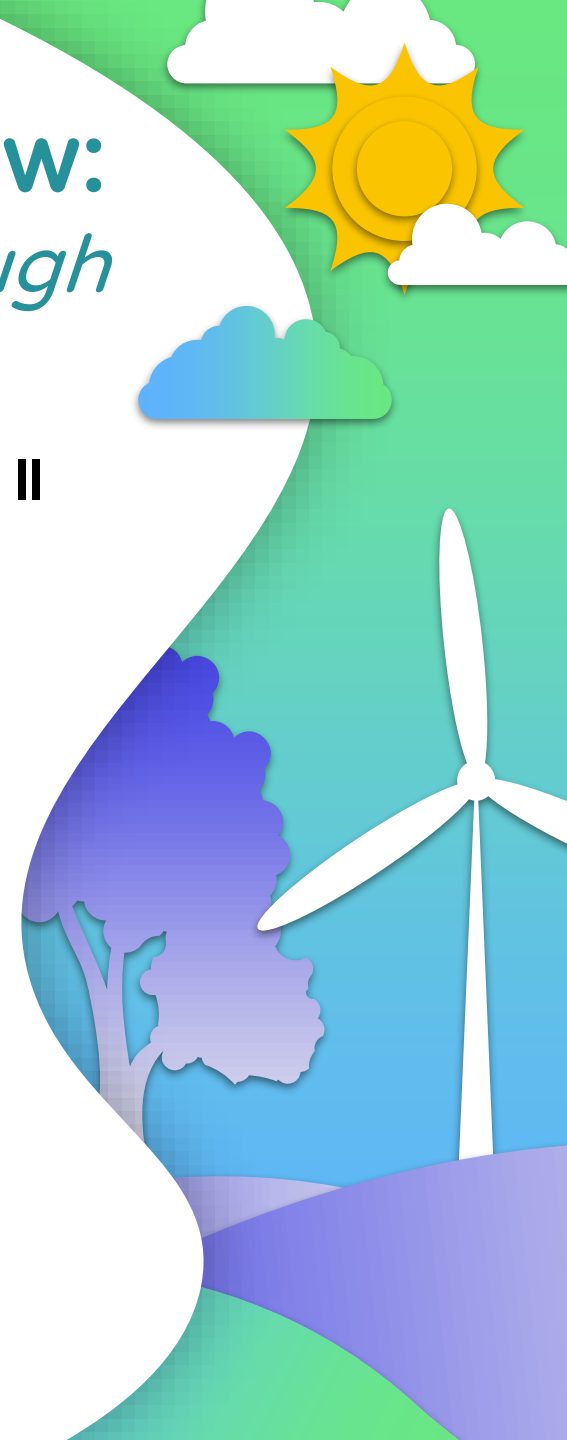
Content and Walkthrough

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DRAFT Roadmap
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03 **Full group report and
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and II
(Background, Goals,
Principles, Alternative
Futures)**

02 **Breakouts: Sections I and II
(Background, Goals,
Principles, Alternative
Futures)**

04 **Full group
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Welcoming and Agenda Overview:

Content and Walkthrough

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**Breakouts: Section V part 1
(Objectives, Strategies,
and Actions)**

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**Breakouts: Section V part 2
(Objectives, Strategies, and
Actions)**

07

**Full group: Strategic
Conversations**



DLCD Updates:

April to May

- Prepared Discussion Draft Roadmap document for today
- Preparing for next Tribal Table discussions next week and the week after
- Held two public meetings in Seaside (April 24) and Brookings (May 14)
- Planning continuation of working groups
- Planning fisheries engagement





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Overview of the **DRAFT** Roadmap Discussion Concept



What is the Discussion Concept for?

- Gathering a high-level compilation of the Roundtable topics so far.
- Finding an organization for the Roadmap that works.
- Trying on strategies and actions based on the topic areas of HB4080.
- Collecting feedback on what's missing or what still needs to be discussed or debated.
- Giving DLCD direction to start building out details for a next draft.
- Attracting conversation!



Roadmap Work between June and September



- Complete the Section 1 Introduction of the Roadmap with information and citations
- Expand and describe the strategies and actions listed in this draft document.
- Include review drafts of the Enforceable Policy Assessment and Agency Capacity Assessment required under HB 4080
- Integrate the Research Agenda being led by OPAC-STAC
- Research Agenda & Coordination – Working Group recommendations.
- Community Benefits & Other Enforceable Agreements – Working Group recommendations.
- Engagement with fishing communities to define interests, strategies, and actions
- Complete draft of the Tribal Interests section through engagement with Tribes
- Cross-check other state Roadmaps to look for additional opportunities.
- Address Roundtable conversations that remain.

1. Background and Introduction

1. Purpose and Background

“The Roadmap is not deciding whether Oregon will pursue offshore wind or establish specific offshore wind policies. The Roadmap provides a framework for a future for Oregon that could include offshore wind, including policy recommendations, actions the state can take, and clear expectations and “waypoints” along the path to responsible offshore wind development for Oregon. This Roadmap identifies potential strategies for offshore wind in Oregon that would involve decision-makers at multiple levels.”

1. Current Status of Offshore Wind in Oregon
2. Existing Research and Information Relevant to Oregon Offshore Wind
3. Lessons Learned in Other States about Successful Processes
4. Oregon definitions of success for the Roadmap regarding offshore wind direction-setting

2.1 Principles of Responsible Offshore Wind



- Based on the best available science, with forward-looking plans to manage uncertainty and risk.
 - Precautionary
 - Adaptive in a thoughtful manner (i.e., not “seat of our pants” management)
 - Utilizing the mitigation hierarchy
- Features clear and enforceable accountability measures and memorialized agreements with affected communities to provide assurances that standards will be upheld, interests are preserved, and benefits balance with costs.
- Recognizes and incorporates Tribal sovereignty, treaty rights, cultural and resource interests, consultation obligations, and the importance of free, prior, and informed consent.

2.1 Principles of Responsible Offshore Wind

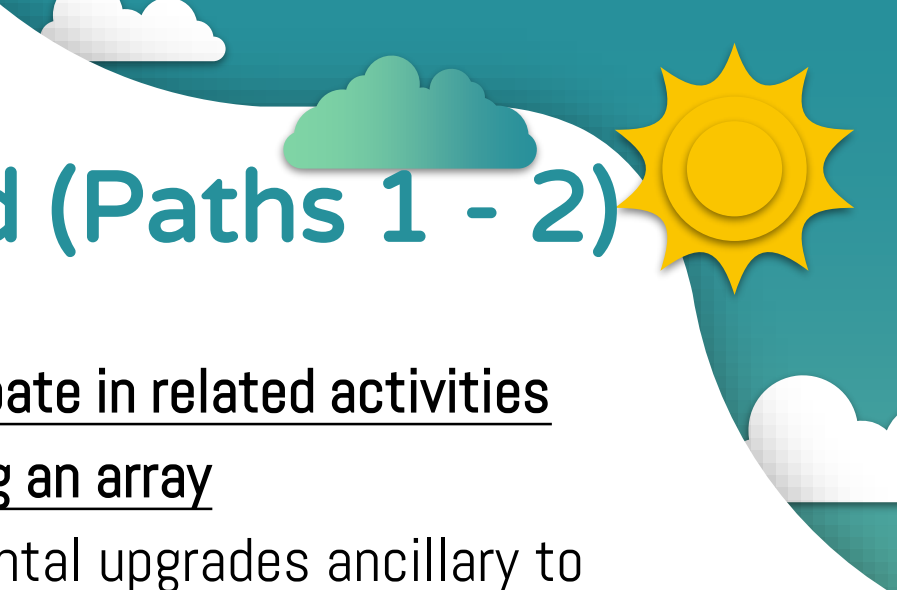


- Is based on sufficient information to demonstrate consistency with Oregon's policies.
- Embodies Statewide Planning Goal 1: Citizen Involvement in permitting, which calls for, "the opportunity for citizens to be involved in all phases of the planning process,"
- Considers and integrates all phases of offshore wind development, including Siting, Leasing, Permitting, Construction, Operations and Maintenance, and Decommissioning.
- Considers all aspects of offshore wind development as an interdependent system, including port infrastructure development, transmission needs, workforce development, and community support services.

2.2 An Offshore Wind Path Forward With Clarity for Development

- Regulatory certainty is more likely to attract investment. Clear information expectations, mitigation measures, and community agreements can improve regulatory certainty.
- Market signals (policies, incentives, financing, procurement mechanisms) are likely required to attract the long-lead investments required for offshore wind.
- Shoreside infrastructure and port development is needed for offshore wind to be considered that is consistent with both state and local policies.
- Careful and informed siting can identify suitable areas that reduce impacts, costs, and enhance feasibility of projects. These considerations must extend both offshore and onshore.
- Regional cooperation with Washington and California can enhance the efficiency and opportunities available for west coast offshore wind development.
- State investment may be required in communities, research, and infrastructure to support an industry that is consistent with Oregon interests and values.

Alternative Futures Considered (Paths 1 - 2)



Path 1. Oregon hosts an offshore wind industry

- At least one array off the coast of Oregon with port and transmission upgrades, and manufacturing support.
- West coast development overall considers limits to minimize impacts to California Current and marine ecosystem.
- Public investments may be required to attract support.

Path 2. Participate in related activities without hosting an array

- Developmental upgrades ancillary to offshore wind without an array located off the coast of Oregon.
- Opportunity to benefit from economic opportunities without the potential for negative coastal resource effects.
- Position the state to more rapidly deploy turbines should it decide to.
- Signals for coordination with WA & CA is vague with current information.

Alternative Futures Considered (Paths 3 - 4)



Path 3. Pilot-scale offshore wind project

- Ability to test new technology and permitting processes, and visual resource impacts.
- Act in accordance to Oregon's Territorial Sea Plan that prefers pilot and/or phased development to gather data.
- Industry likely not interested in the cost and risk
- Would not answer questions at larger scale
- California may act as a de facto pilot

Path 4. No offshore wind market participation

- Oregon seeks other sources of clean energy to meet HB 2021 mandates.
- Economic development and jobs from offshore wind located elsewhere.
- Oregon may be positioned to collaborate with WA & CA on regional energy supply, along with California Current Ecosystem monitoring.

3. Pathways to Oregon's Offshore Wind Energy Futures

- Section is based on the “waypoint diagrams” from the November visioning exercise and the April Roundtable meeting.
- Diagrams in the draft are a work in progress
- Section will describe the waypoints in a future draft
- Describes “dilemmas” in each phase
 - Feasibility to identify and fully know what the effects to fisheries might be too early in the process.
 - Funding constraints for fulfilling the research agenda prior to leasing, including a cumulative assessment in lieu of Programmatic EIS.
 - Timing of a programmatic/cumulative assessment and who would lead it.
 - Timing and expectations of community conversations around agreements and benefits (pre- vs. post-leasing)
 - Would all support projects (e.g., shoreside facilities, transmission) be reviewed at the same time as a turbine array?
 - How can the state have an ongoing role after the permitting phase to enforce adaptive management?
- Includes space to describe Exit Ramps for each stage (to be fleshed out)

4. Policy Assessment and Gaps (Summary)

- Section will summarize the results of the Enforceable Policy Assessment required under HB4080.
- Includes an initial list of gap areas based on the discussions and evaluation so far.
- Final version of Section 4 will include a “Gap Strategy Table” that summarizes policy opportunities.
- Still a work in progress - final Enforceable Policy Assessment will be included in an appendix to the Roadmap.

5. Objectives, Strategies, and Actions

- Objectives follow the HB 4080 topic areas.
- Strategies and Actions included for discussion and revision – based on Roundtable conversations, focus groups, staff research, interstate discussions, and other state roadmaps.
- Please advise:
 - Are these the right actions?
 - What level of detail should the Roadmap include for actions?

5.1 Meaningful Engagement with Communities and the Public

5.1.1 Strategy: State-Led Community Outreach and Engagement Across Multiple Phases of Offshore Wind Development

1. Action: Identify resource needs to support state-led ongoing engagement
2. Action: Coordinate with federal agencies and developers on outreach and engagement efforts to retain state involvement and reflect state interests in community engagement
3. Action: Seek to build community engagement partnerships with other agencies, local government staff, and non-governmental organizations to combine resources and facilitate consistency in messages to communities
4. Action: Clarify community participation expectations in Joint Agency Review Teams and other regulatory processes at the state and local level, and document these opportunities in policy or guidance
5. Action: For state-led engagement activities, establish and consult an ongoing body/steering committee to guide engagement

5.1.2 Strategy: Ongoing Engagement with Tribes

[Section will be developed in consultation with Tribes and brought into the Roadmap when ready]

5.2 Support Coastal and Regional Communities

5.2.1 Strategy: Protect and sustain coastal communities and existing local and regional uses of the coastal zone, including fishing, recreation, tourism, and aesthetic and spiritual enjoyment

- 5.2.1.1 Action: Update Oregon's visual resource inventory and further study community and Tribal values surrounding visual resource effects
- 5.2.1.2 Action: Conduct socioeconomic studies to better articulate the potential effect of offshore wind development to recreation, tourism, and local economies resulting from offshore wind development in Oregon
- 5.2.1.3 Action: Assess community needs to support offshore wind development (e.g., housing, infrastructure, social services)

5.2.2 Strategy: Protect and Maintain Optimum Management and Uses of Oregon's Fisheries

[Section still under development and will be informed by conversations with fishing communities and the Roundtable.]

5.2 Support Coastal and Regional Communities

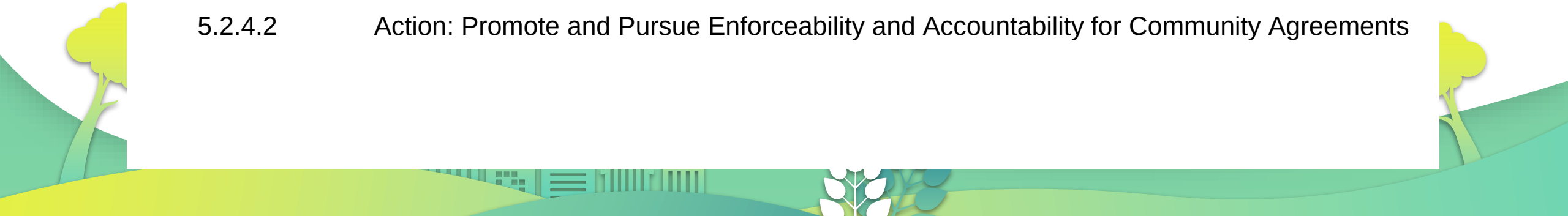
5.2.3 Strategy: Recognize the Effects of Shoreside Development as an Essential Component of an Offshore Wind Presence in Oregon

[To be discussed in the Roundtable]

5.2.4 Strategy: Support Coastal Communities through Benefit Agreements

5.2.4.1 Action: Explore creation of new enforceable policies to require large-scale coastal development have a net benefit to coastal communities

5.2.4.2 Action: Promote and Pursue Enforceability and Accountability for Community Agreements



5.3 Support Creation of New Economic Opportunities

5.3.1 Strategy: Articulate and Develop the Supply Chain Opportunity for Oregon

- 5.3.1.1 Action: Senior state official to coordinate with California and Washington regarding supply chain fulfillment for the west coast
- 5.3.1.2 Action: State-led supply chain market opportunity assessment, inclusive of California and international markets
- 5.3.1.3 Action: As identified in the supply chain market opportunity assessment, promote relationships between Oregon businesses and interstate or international markets
- 5.3.1.4 Action: Create an Oregon Offshore Wind Supply Chain Registry to identify firms with readiness to provide manufacturing, vessel, and support services to the offshore wind industry

5.3.2 Strategy: Understand and Prepare for Future Port Development Needs to support Offshore Wind

- 5.3.2.1 Action: Develop a Port Readiness Plan that identifies investment needs related to supply chain development in concert with other port needs to support offshore wind assembly, manufacturing, installation, and maintenance.
- 5.3.2.2 Action: Coordinate with other west coast states on a coastwide port development plan to meet the potential future needs of the offshore wind industry, considering different build-out scenarios.
- 5.3.2.3 Action: Explore coordination opportunities with other development proposals for Coos Bay, e.g., the PCIP project, to align future needs.

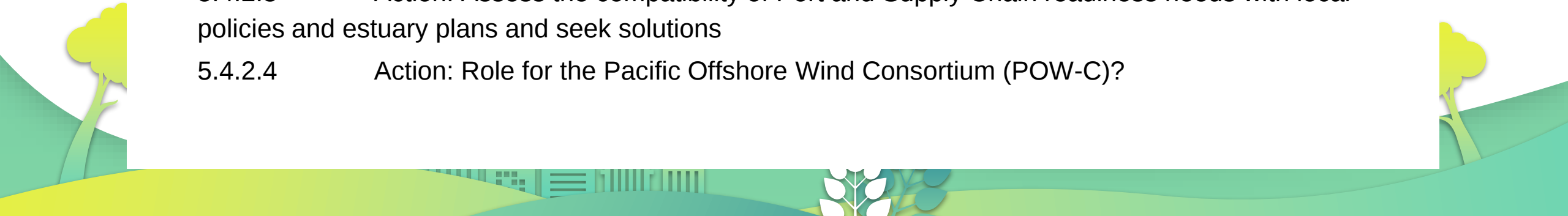
5.4 Position Oregon to have an Offshore Wind Workforce that is Housed, Trained, and Equitable

5.4.1 Strategy: Strengthen and Enforce Labor and Safety Standards

- 5.4.1.1 Action: Strengthen the enforceability of the labor standards in HB 4080
- 5.4.1.2 Action: Ensure consistency of workforce safety and labor standards at sea with those on land

5.4.2 Strategy: Match Workforce Development with Workforce Needs

- 5.4.2.1 Action: Assess community policy and investment needs to support a future offshore wind workforce, including housing, infrastructure, and social support services
- 5.4.2.2 Action: Workforce development and training plan? When is the time right for this to occur?
- 5.4.2.3 Action: Assess the compatibility of Port and Supply Chain readiness needs with local policies and estuary plans and seek solutions
- 5.4.2.4 Action: Role for the Pacific Offshore Wind Consortium (POW-C)?



5.5 Protect Tribal Cultural and Archaeological Resources, Culturally Significant Viewsheds, and other Interests of Tribes

- Protection of Culturally Significant Viewsheds
- Protection of Natural Resources as Cultural Resources
- Protection of Archaeological Resources, including Underwater Villages
- Protection of Areas Used for Cultural Practices
- Protection of Tribal Subsistence and Commercial Fishing
- Use of Indigenous and Traditional Knowledge in State Decision-Making
- Tribal Engagement Expectations in Future Offshore Wind Processes
- Tribal Benefit Agreements
- Opportunities for Co-stewardship and Business Partnership
- Data Collection, Monitoring, and Access
- Definition of Sensitive Ecological Resources
- State Role in Sovereign Communications between Tribes and Federal Government

5.6 Protect the Environment and Species

5.6.1 Strategy: Strengthen State and Local Government Policies, Processes, and Capacity to Address Environmental Effects from Offshore Wind

- 5.6.1.1 Action: Amend Oregon's Territorial Sea Plan [and other policies as applicable] to Address Gaps
- 5.6.1.2 Action: Support Local Governments in Amending comprehensive plans and codes to address identified Gaps
- 5.6.1.3 Action: Support Agency Capacity for Building Expertise in Offshore Wind Effects
- 5.6.1.4 Action: Identify Suitable Sea Space for Development Led by State Interests and Policies

5.6.2 Strategy: Responsibly Manage Uncertainty and Risk

- 5.6.2.1 Action: Develop and Pursue a Research Agenda for Oregon
- 5.6.2.2 Action: Establish a Research Collaborative to build Oregon-specific scientific consensus and coordinate with other west coast states
- 5.6.2.3 Action: Define a Framework for Monitoring and Adaptive Management Specific to Offshore Wind
- 5.6.2.4 Action: Clarify Accountability Measures
- 5.6.2.5 Action: Involve State Agencies Early in Site Characterization Activities, Looking Ahead to Uncertainty Management Needs

5.7 Achieve State Energy and Climate Policy Objectives (includes Path to Development)

5.7.1 Strategy: Articulate the Value of Offshore Wind to the State and Set the Stage for Future “Market Signals” that Oregon is Interested in Pursuing Offshore Wind

- 5.7.1.1 Action: Complete coastal and state-wide socioeconomic studies to quantify and articulate the economic benefits and job opportunities from offshore wind for Oregon
- 5.7.1.2 Action: Continue to refine the Oregon Energy Strategy in future iterations to account for changing conditions related to offshore wind and the regional energy market
- 5.7.1.3 Action: Evaluate energy infrastructure needs and see what role OSW and other renewables can play, with a focus on energy resilience and reliability.



5.7 Achieve State Energy and Climate Policy Objectives (includes Path to Development)

5.7.2 Strategy: Prepare Oregon's Energy System for Offshore Wind Potential

- 5.7.2.1 Action: Support investments and planning for grid infrastructure to increase resilience and facilitate the option of future offshore wind generation (coordinate with OSES)
- 5.7.2.2 Action: Coordinate with California and Washington on supply chain opportunities, regional power market opportunities, and transmission planning related to offshore wind
- 5.7.2.3 Action: Coordinate with California regarding regional power markets and the potential for Oregon offshore wind to satisfy California offshore wind generation goals while providing grid resilience benefits to Oregon coastal communities. Consider how this scenario would relate to Oregon Renewable Portfolio Standards
- 5.7.2.4 Action: Explore potential economic incentives, energy planning policies, procurement frameworks and authorities, or other amendments to Oregon energy policy that might attract and facilitate long lead-time resources such as offshore wind.
- 5.7.2.5 Action: Consider policies to derisk transmission investment related to wildfire and siting.

5.7 Achieve State Energy and Climate Policy Objectives (includes Path to Development)

5.7.3 Strategy: Identify Investment and Planning Needs

- 5.7.3.1 Action: Clarify port infrastructure development needs and integrate with existing estuary management plans and other applicable enforceable policies
- 5.7.3.2 Action: Assess community complementary investment needs (e.g., housing, infrastructure, social services) to identify investment needs under different scenarios
- 5.7.3.3 Action: Study the opportunities and challenges associated with differing models of offshore wind ownership (investor-owned vs. public-owned vs. community-owned vs. other)
- 5.7.3.4 Action: Conduct Supply Chain and Workforce Assessment and Planning (relates to actions in another section of the Roadmap)



5.8 Achieve State Energy and Climate Policy Objectives (includes Path to Development)

5.8.1 Strategy: Promote Meaningful Public Engagement in State Permitting Processes

- 5.8.1.1 Action: Engage in continual public information sharing early in the process and throughout all phases of development
- 5.8.1.2 Action: Clarify the public's role in the Joint Agency Review Team required in Parts Four and Five of the Territorial Sea Plan

5.8.2 Strategy: Clarify and Strengthen Science and Uncertainty Management in State Review Decisions for Offshore Wind

5.8.3 Strategy: Support Local Government Involvement in Offshore Wind Review and Decision-making Processes

5.8.4 Strategy: Establish clear expectations and understanding regarding state-federal coordination and communication concerning offshore wind permitting

Roadmap Work between June and September



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- Address Roundtable conversations that remain.



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Breakouts: Sections I and II

*(Background, Goals, Principles,
Alternative Futures)*



Breakout Discussion Questions

- What, if anything, needs to change about the Goals for the Roadmap?
- What, if anything, needs to change about the Principles for the Roadmap?
- Should the Roadmap include alternative futures? If yes, why? If yes, which alternative futures should be used to inform Roadmap strategies and actions?





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Full group discussion: Section III

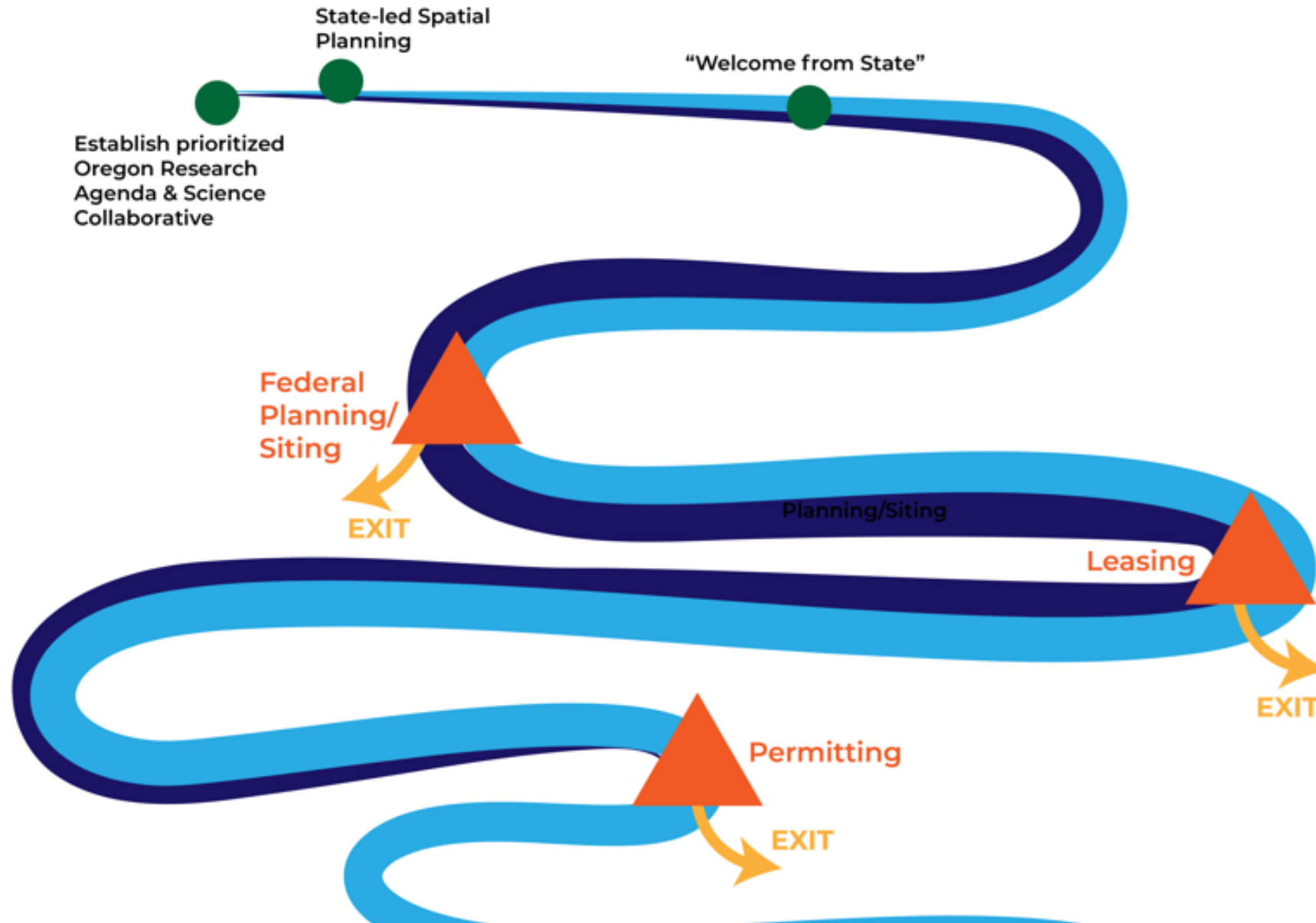


Full Group Discussion Questions

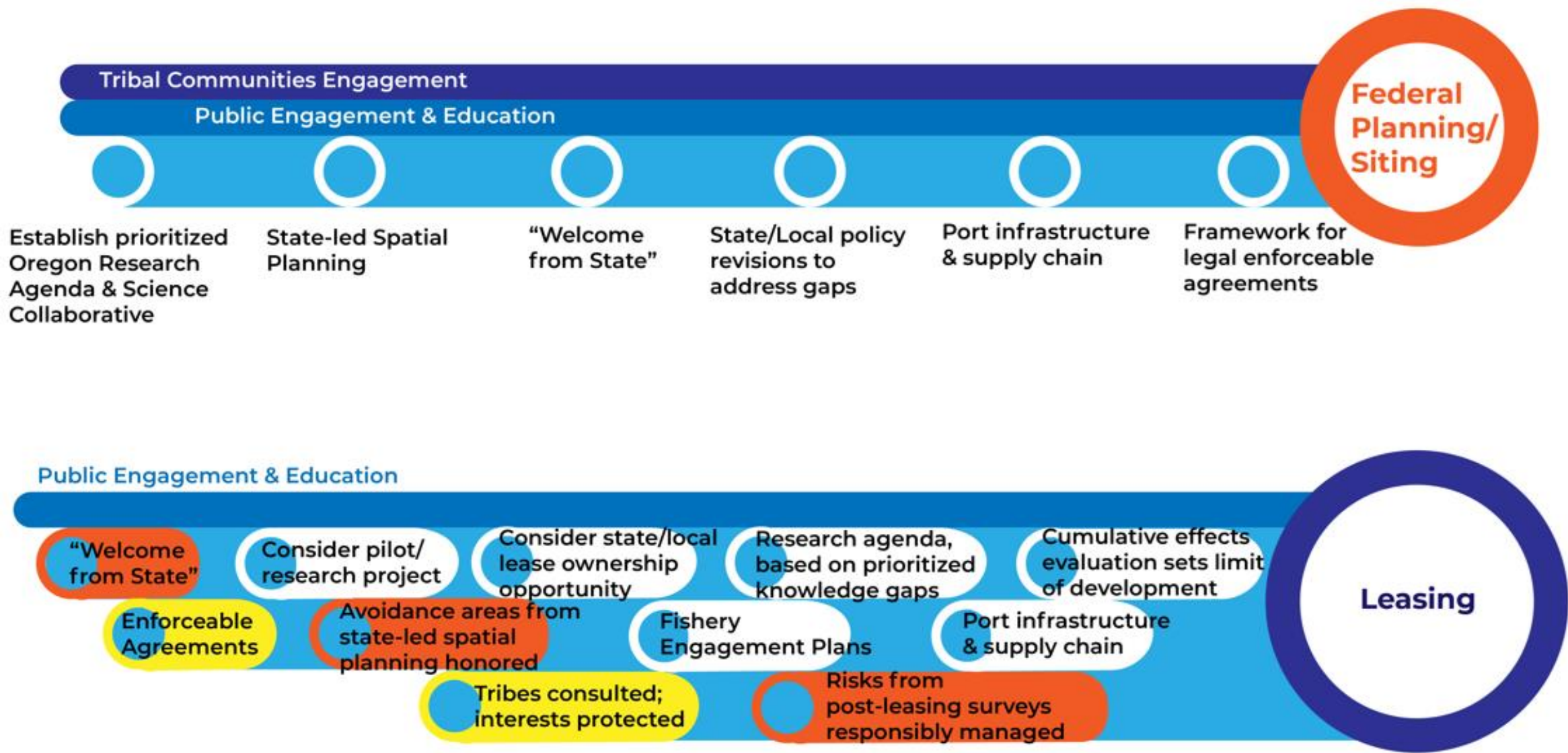
- What additional thoughts have you had about the “waypoint path” since April?
- Thoughts on new graphical concepts?
- What are the “meaningful engagement” recommendations at each stage of OSW development?



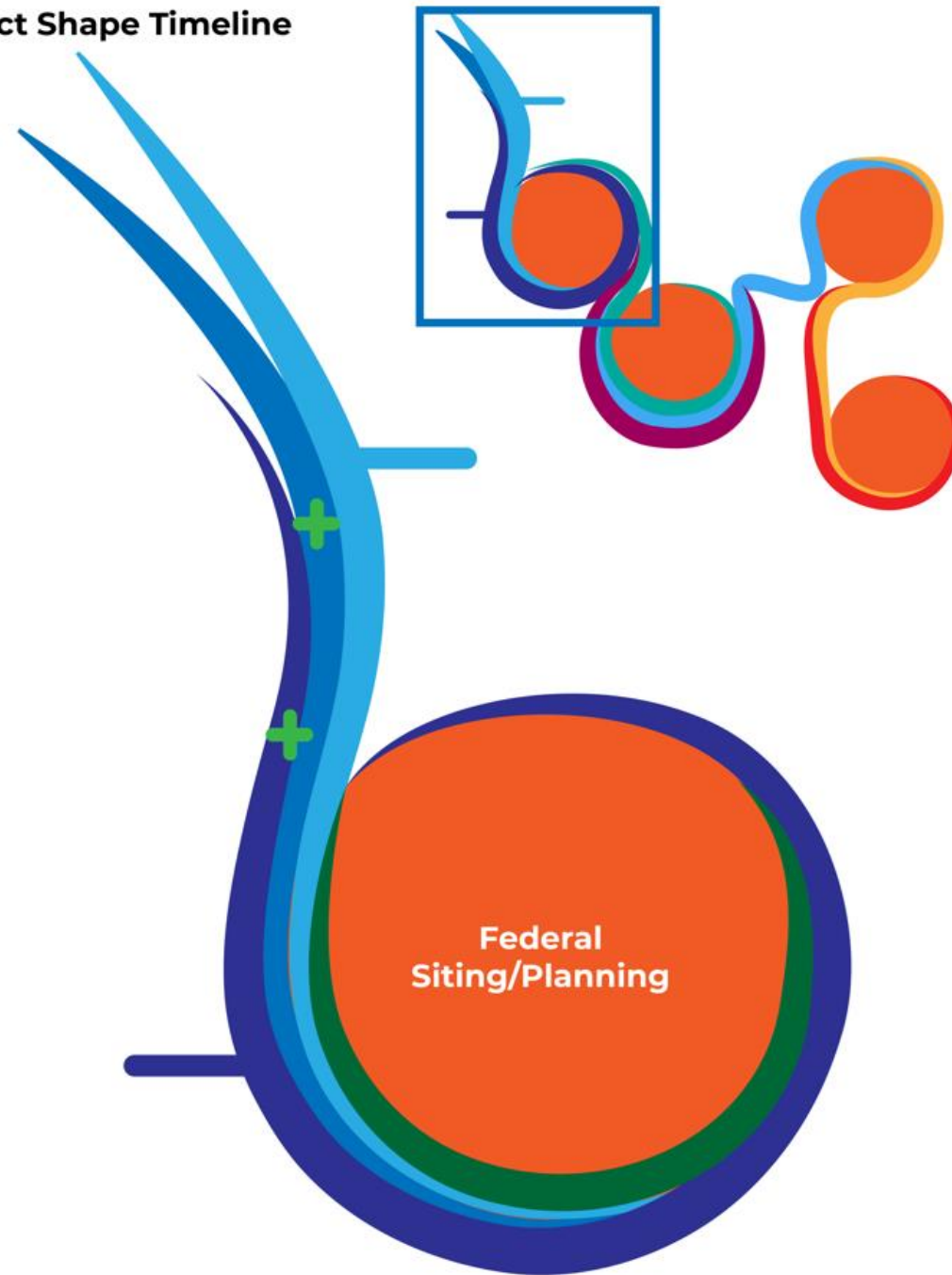
River-Stream Visual Metaphor

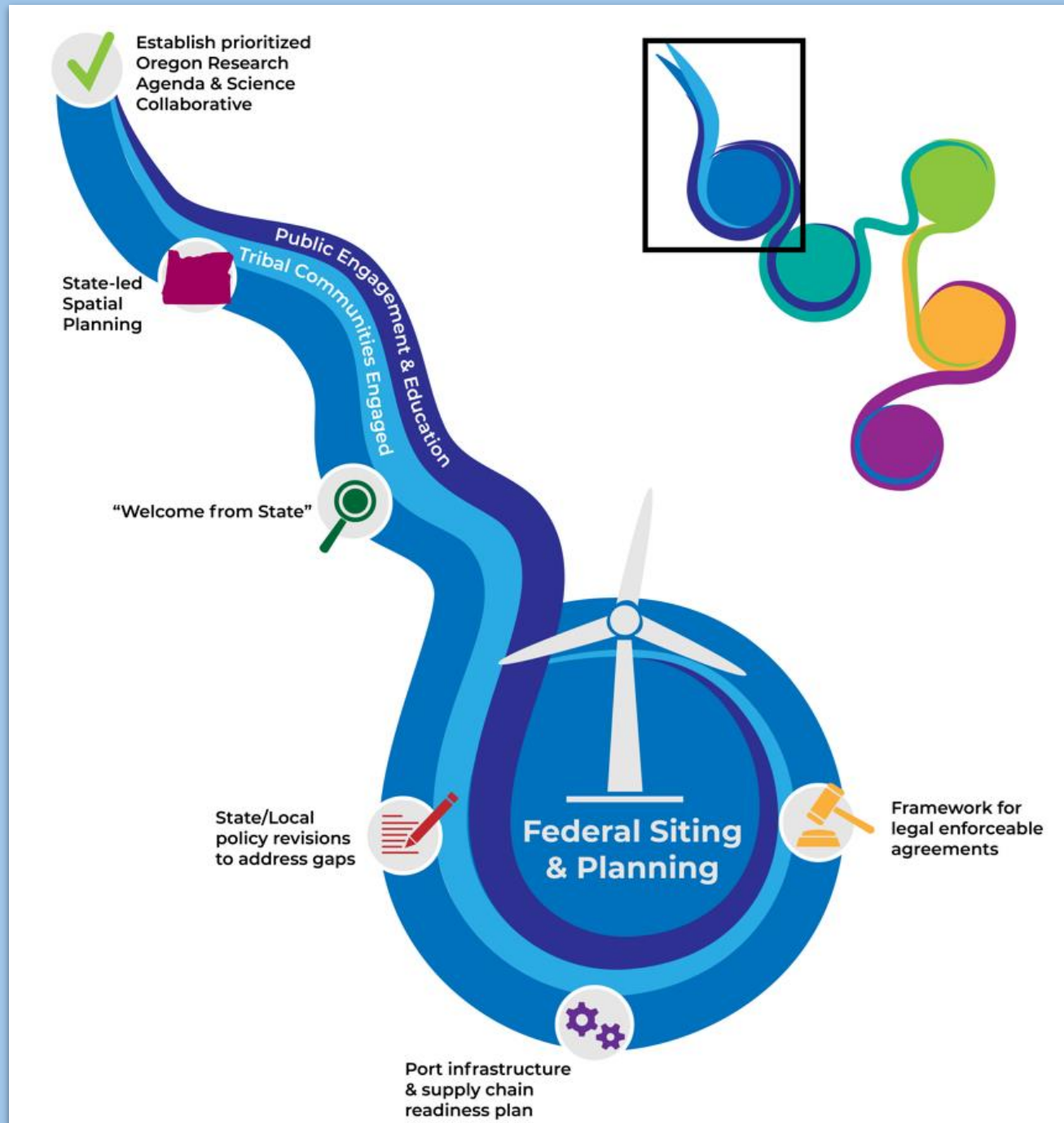


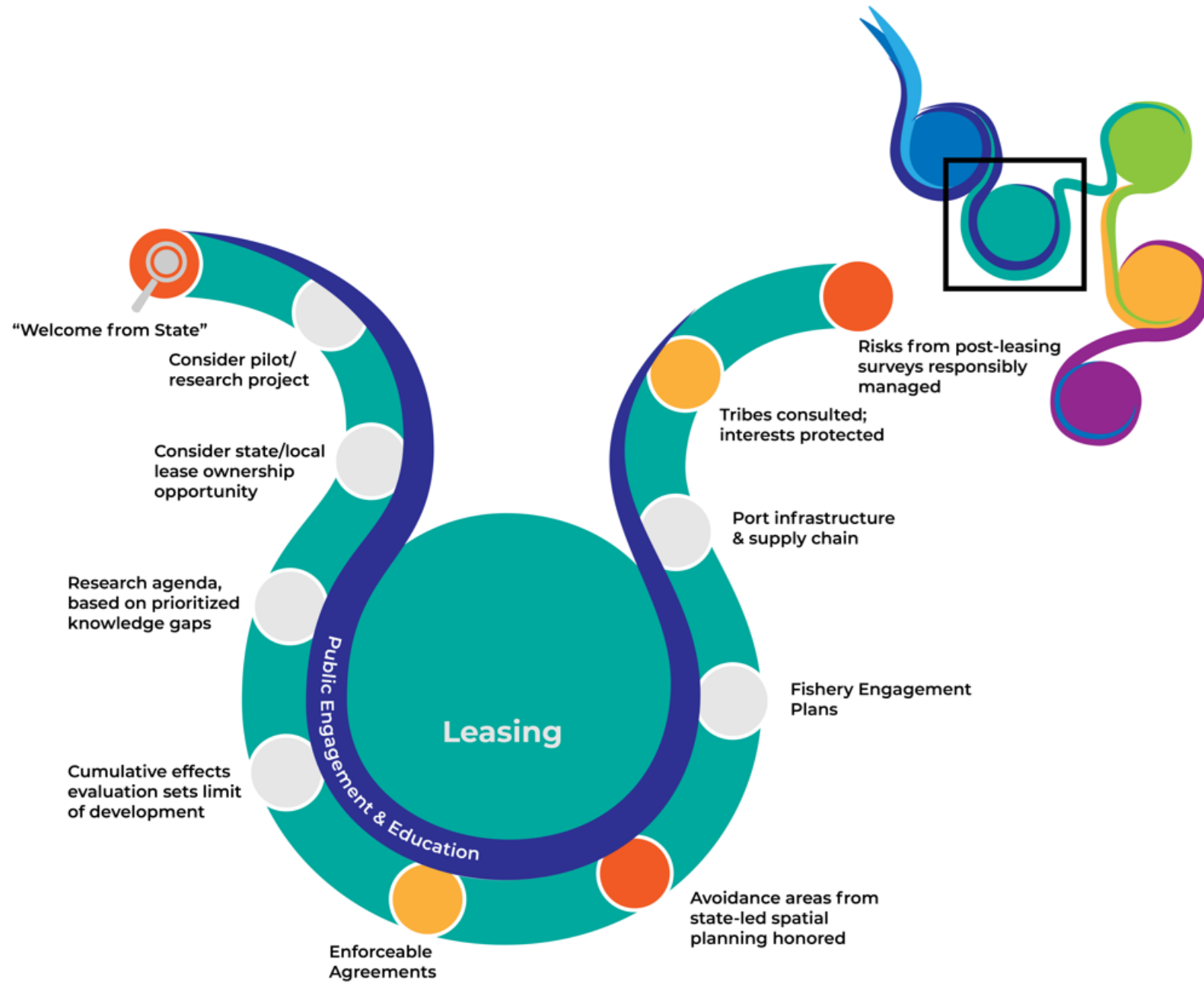
Stylized Gantt Chart



Abstract Shape Timeline







Engagement by Phase

Siting/Planning

Shared understanding:

Ensure people have high quality and complete information

Understand the process

Address misinformation

Community engagement:

Clear plan that defines who leads, who participates and how, and for what purpose at each phase

Gather and communicate past comments

The “who” for transmission will be different

Public participation in government decisions:

Clear roles and authorities for participants

Clear points where public can influence decisions

Meetings and comment methods are accessible

Tribal consultation and engagement:

Maintain Tribal table

Leasing

Shared understanding:

Effects of leasing vs. project; what do we need to know before leasing?

Community engagement:

Ongoing advisory body

Check for satisfaction to adapt process if needed and be accountable

Public participation in government decisions:

Consolidate asks

Be transparent

Show how comments do or do not influence decisions (what was done with feedback, a response on accept/not accept and why)-- Communication should be a two-way street--THIS NEEDS TO HAPPEN AT ANY TIME COMMENT HAS BEEN ASKED needs to be timely

Permitting

Shared understanding:

Is a project consistent with our policies and values? Are we managing uncertainty and risk responsibly? Engagement re: agreements to secure our interests?

Community engagement:

Ongoing advisory body (JART; OPAC; research collaborative; others?)

Public participation in government decisions:

Avoid participant fatigue

Formal comment

Tribal consultation and engagement:

Formal consultation

Operations

Shared understanding:

Stay abreast of what’s happening and what we’re learning. Accountability to the fidelity of the process.

Community engagement:

Ongoing advisory body

Check for satisfaction to adapt process if needed and be accountable

Public participation in government decisions:

Adaptive management

Tribal consultation and engagement:

Public Comment Part I



Questions? Public Comment?

At any time (during a meeting or in between) submit a question or public comment:

→ **QR Code**

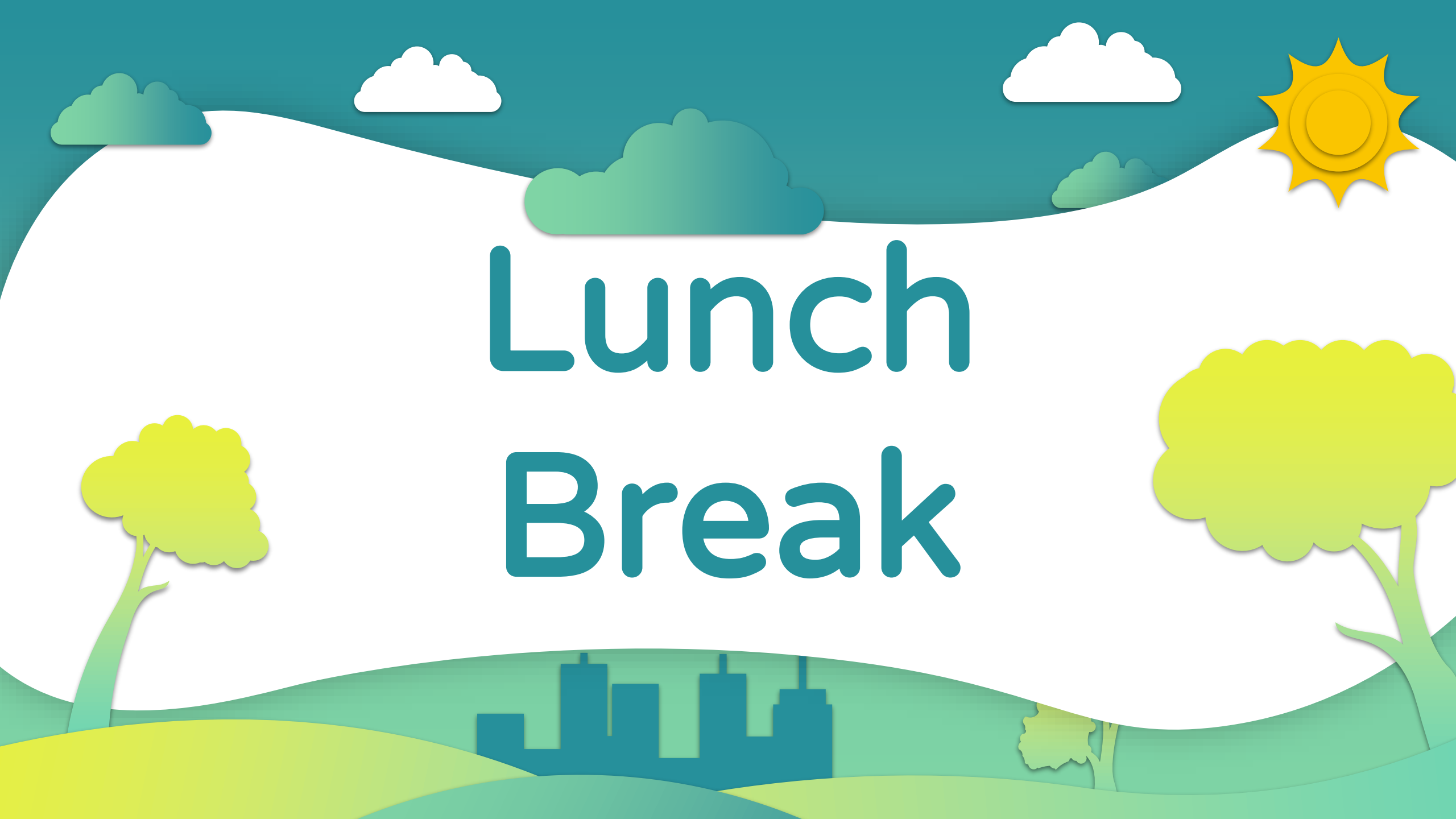
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Lunch Break



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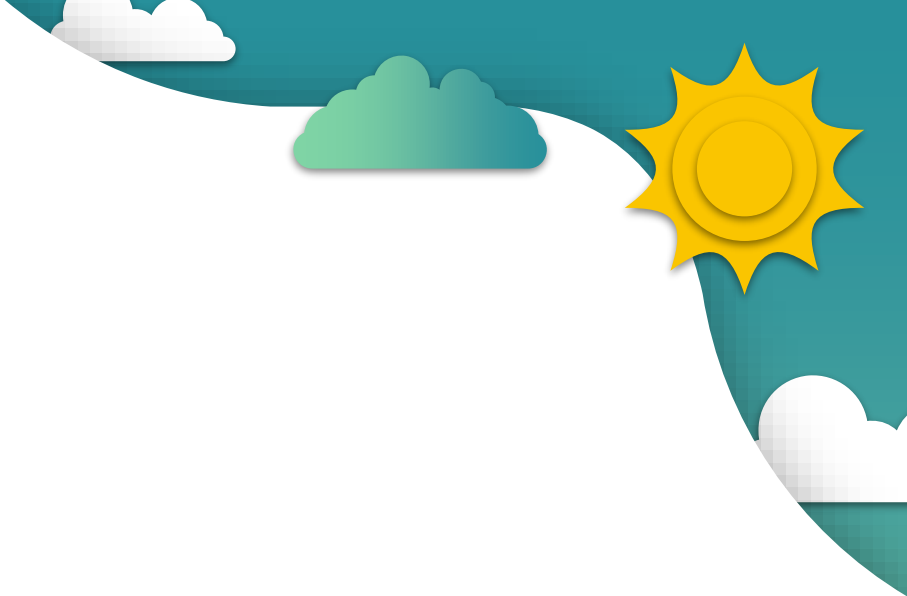
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Breakouts: Section V - Part I *(Objectives, Strategies, and Actions)*



Section 5 Breakouts: Part 1

- Meaningful Engagement
- Support Communities
- New Economic Opportunities
- Workforce



Breakout Discussion Questions

- What Strategies or Actions would you add, change, or remove?
- Are there key pieces of information that DLCD should include or discuss with certain Strategies?
- Is there key information needed to flesh out a potential action?





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Breakouts: Section V - Part II *(Objectives, Strategies, and Actions)*



Section 5 Breakouts: Part 2

- Cultural and Archaeological Resources
- Protect the Environment
- Achieve Energy Objectives
- Optimize Permitting

Breakout Discussion Questions

- What Strategies or Actions would you add, change, or remove?
- Are there key pieces of information that DLCD should include or discuss with certain Strategies?
- Is there key information needed to flesh out a potential action?





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Full group: Strategic Conversations



Public Comment Part II



Questions? Public Comment?

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Closing & Next Steps