

Leveraging Host Communities to Support Consent Based Siting

WM Symposia 2015

Phoenix, Arizona

19 March, 2015

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Premises

- **This morning's discussion focuses on the interim storage of spent fuel from decommissioned civilian reactors**
- **CIS = Low-hanging fruit that enjoys broad (not universal) support from stakeholders**
- **Modest, reasonable and achievable first step**
 - Towards a more comprehensive, long-term solution

Consent-Based Siting

- **See *Facility Siting Credo*, 1993**

 - Wharton School’s Risk and Decision Process Center

- **Well-Documented Procedure**

1. Broad Participatory Process	7. Fully Address Negative Facility Aspects
2. Status Quo is Unacceptable	8. Make the Host Community Better Off
3. Seek Consensus	9. Use Contingent Agreements
4. Develop Trust	10. Seek Volunteer Sites
5. Fix the Problem at Hand	11. Deploy a Competitive Siting Process
6. Apply Stringent Siting Standards	12. Work for Geographic Fairness

- **Successful Siting Experiences**

 - Wind Farms, Landfills, Petroleum Facilities, LNG Terminals

- **Applicability to Federal Siting Efforts for CIS?**

Before Consent-Based Siting

■ **First, Work to Build the Public's Trust**

- Establish credibility, legitimacy and standing
 - Some would argue this is currently lacking
 - Potential contributing factor to the current impasse
- Without trust, prognosis for successful siting is dim

■ **Where Does This Credibility and Standing Exist?**

- Who has it?
- How may it be leveraged?

1st Source of Credibility

■ Communities that Currently Host Spent Fuel

–Residents, Firs-Responders, Planning Board Members

COMMUNITY	PLANT NAME	COMMUNITY	PLANT NAME
Brattleboro, VT	<i>Vermont Yankee</i>	Kewaunee, WI	<i>Kewaunee</i>
Charlevoix, MI	<i>Big Rock</i>	Rainier, OR	<i>Trojan</i>
Crystal River, FL	<i>Crystal River</i>	Rowe, MA	<i>Yankee Rowe</i>
Eureka, CA	<i>Humboldt Bay</i>	San Clemente, CA	<i>San Onofre</i>
Genoa, WI	<i>LaCrosse</i>	Wiscasset, ME	<i>Maine Yankee</i>
Haddam Neck, CT	<i>Connecticut Yankee</i>	Zion, IL	<i>Zion</i>
Herald, CA	<i>Rancho Seco</i>		

Analysis of Current Hosts

- **Decades of Local Experience Hosting Spent Fuel**
 - Significant standing
- **Outcome Goal = Desire Relocation of Spent Fuel**
 - Establishment of CIS strengthens their local community
 - Environmental conservation and/or economic development
 - Reduces risk profile
- **Process Goal = Need for Local Decision Making**
 - They want to be involved
 - Fuel movement planning and site repurposing are tightly coupled
- **Advocacy Goal = Want National Solution**
 - Strong desire to collaborate with other hosts
 - Advance national policy as it strengthens their local community

2nd Source of Credibility

■ Communities Interested in Hosting CIS

–They want decades of experience hosting spent fuel

■ Fluid List But it *May* Include, But Not Be Limited To:

Georgia	New Mexico
Idaho	South Carolina
Mississippi	Texas

Analysis of Potential Hosts

■ Interest in Hosting Spent Fuel

- Their desire to host creates standing
- Opportunity to learn from current host communities
 - Reinforce the principle of “informed consent”

■ Outcome Goal = Desire Relocation of Spent Fuel

- Supported as CIS strengthens the local community
 - Strong economic development considerations

■ Process Goal = Need for Local Decision Making

- Their involvement forms the foundation for “consent”

■ Advocacy Goal = Want a National Solution

- Evolving desire to collaborate
- Advance national policy as it supports local interests

Stakeholders Share Common Values

	Current Hosts	Future Hosts
Desire For Spent Fuel Relocation	✓	✓
Local Involvement in Decision Making	✓	✓
Site Repurposing / Economic Development	✓	✓

- **Interest Alignment Encourages Collaboration**
 - Advancing common objective (CIS) realizes shared goals
- **Strategic Reframing Opportunity**
 - Common themes of local control, economic development, conservation
 - Non-controversial messages that resonate broadly
 - Attracts supporters as opposed to create adversaries
- **Convening Vehicle = Host Community Network**
 - Non-profit association of current and potential host communities

Work Plan – Host Community Network

■ Current Hosts Communities

–Phase I – Quantify Local Infrastructure Upgrades

- Required to move fuel regardless of destination

–Phase II – Estimate Site Re-Use Potential

- Economic development and natural resource metrics

–Phase III – Opportunity Costs of Status Quo

- Effect of spent fuel on local site repurposing

■ Potential Host Communities

–Phase I – Economic Development from CIS

- Generic model of construction, operation, security, R&D

Deliverable = Site Repurposing Narrative

- **Synthesize Host Community Benefits from CIS**
 - Current and potential hosts
 - Due Q2 2016
- **Focus on Common Themes and Goals**
 - Local control and economic development
 - Quantify the justification for CIS
- **Robust Foundation for Thought Leadership**
 - Strategic reframing opportunity
- **New Dimension of Support for Federal Action**
 - Credibility, legitimacy and standing
 - Promotes the implementation of consent-based siting

Near-Term Schedule

Establish Network

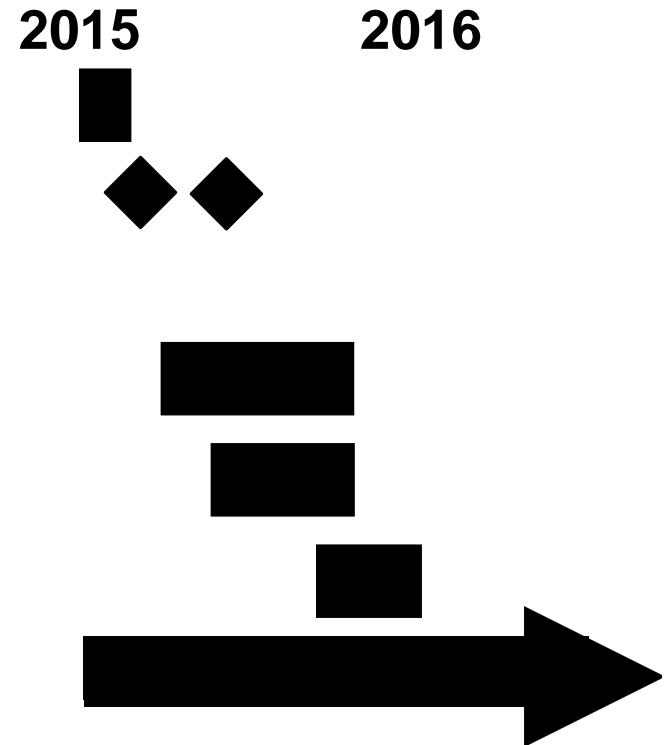
Host Community Working Groups

Economic Development Analyses

- Current Hosts
- Potential Hosts

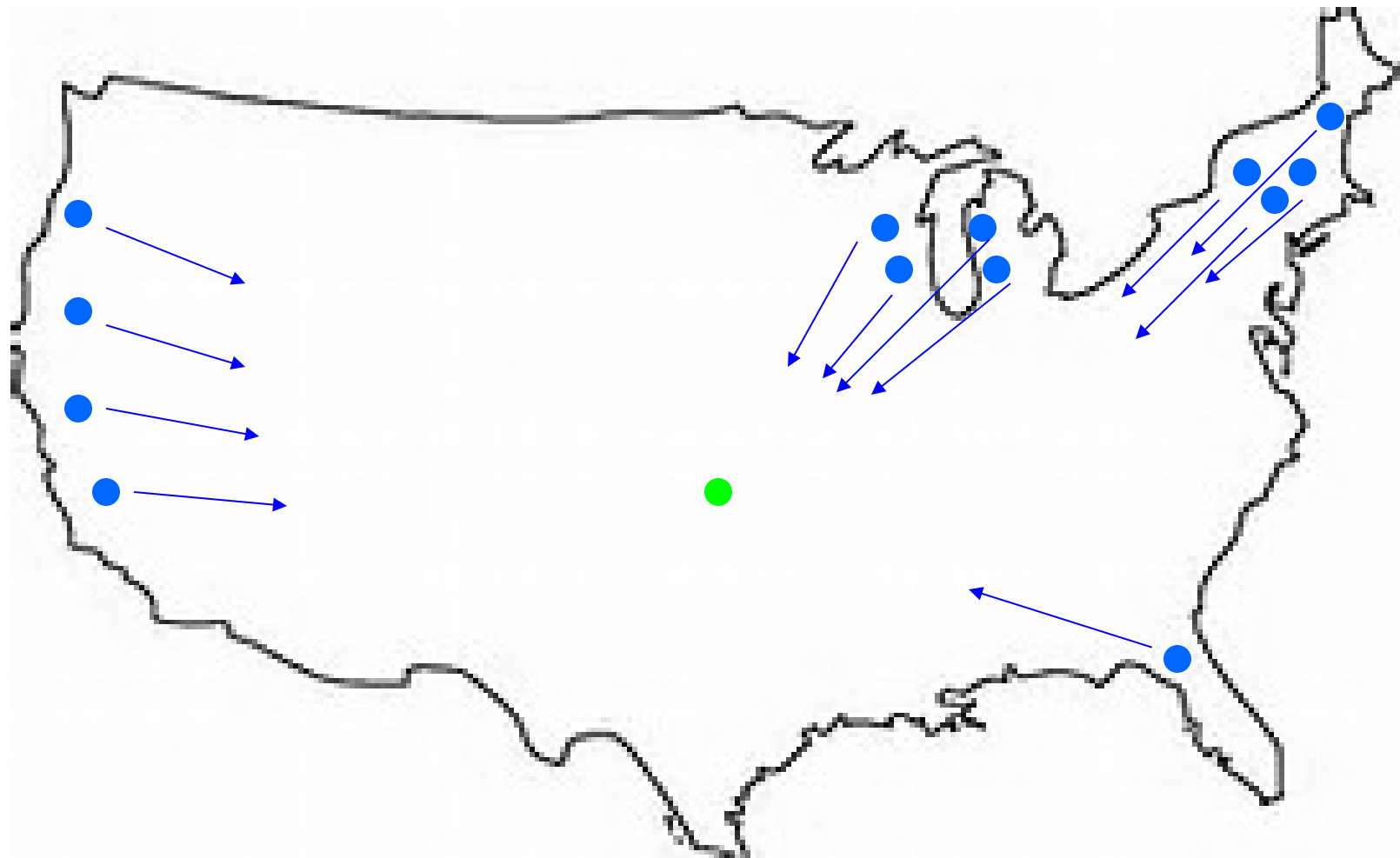
Site Repurposing Narrative

Education and Outreach

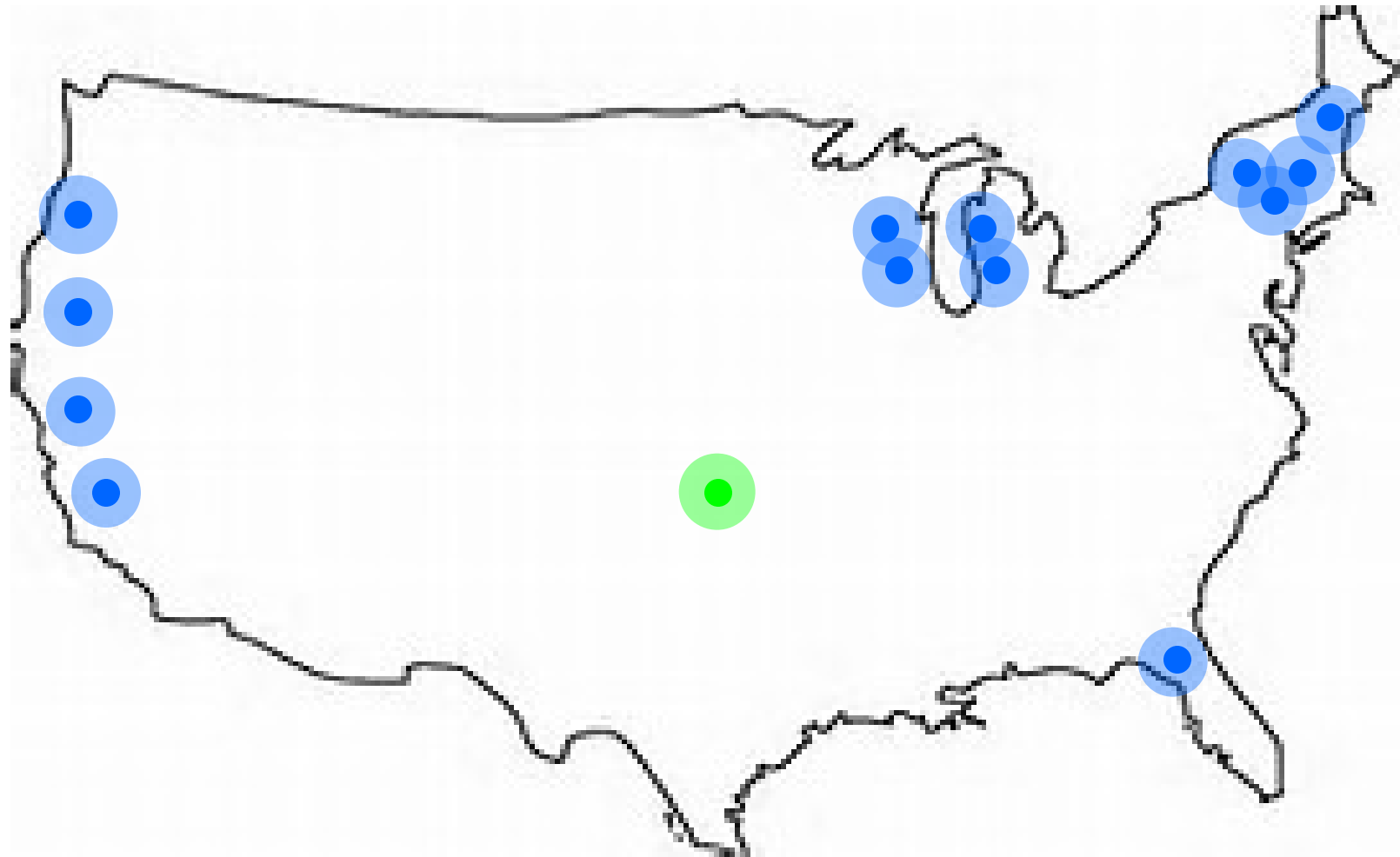


Thoughts on Transportation Risk

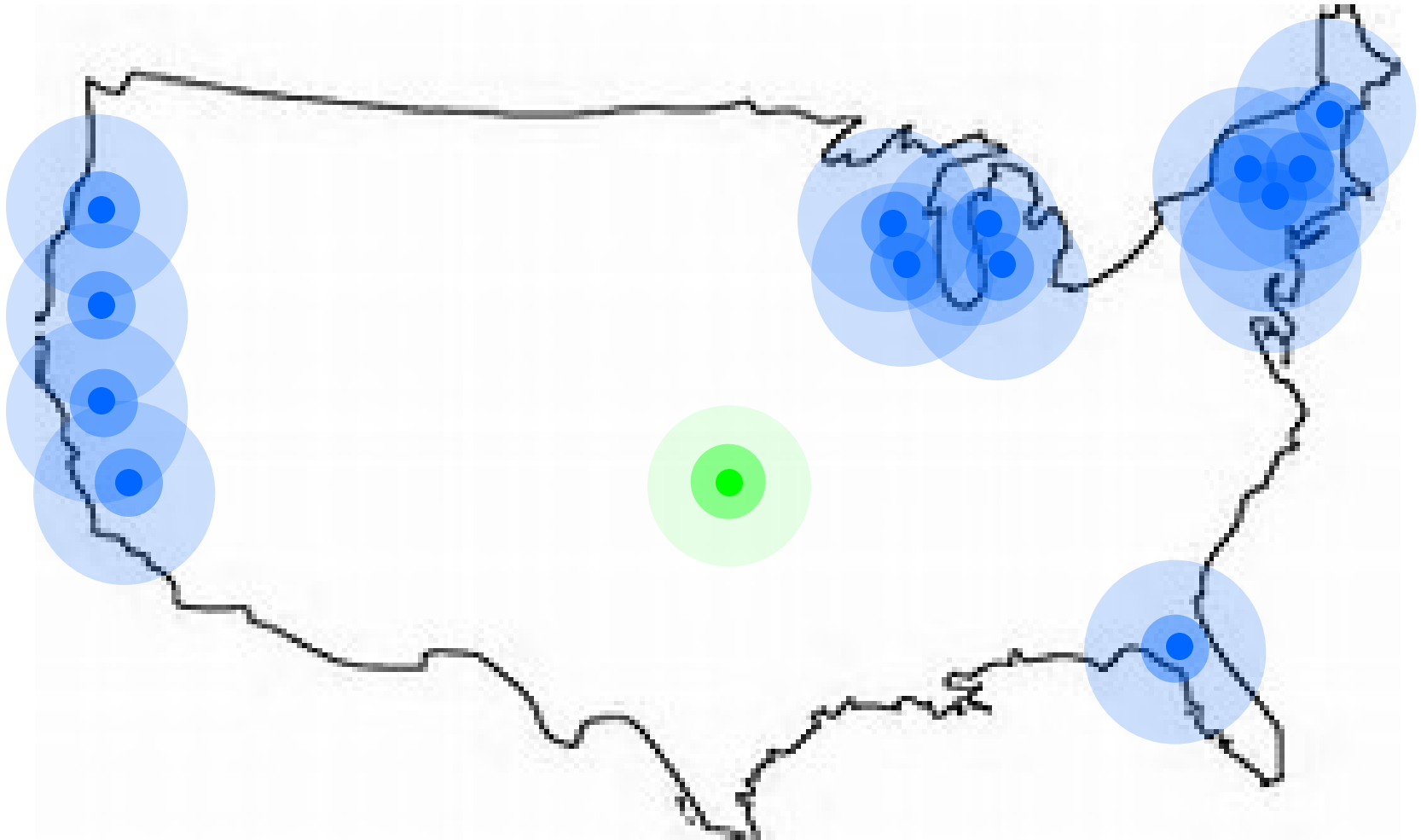
Multiple Individual Conversations



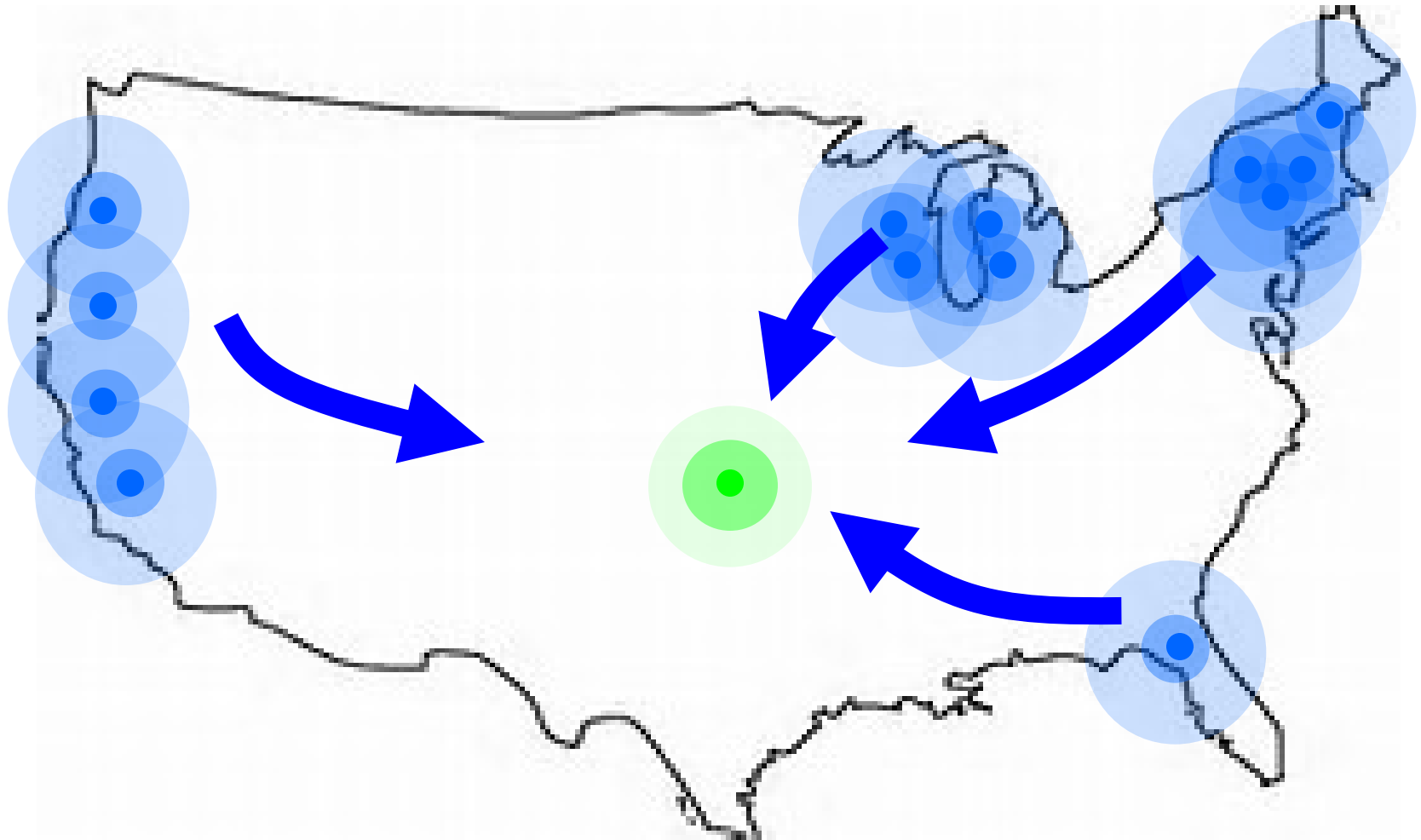
Increasing “Zones of Legitimacy”



Increasing “Zones of Legitimacy”



Four Collaborative Corridors



Reduced Transportation Risk

- **Transportation from Singular Host Communities**
 - Individual communities + isolated conversations = high risk
- **Transportation from Networked Host Communities**
 - Strength in numbers
 - Builds regional legitimacy for fuel movement
- **Aligning Common Interests Builds Credibility**
 - “Push” + “Pull” supported by a compelling national narrative
 - Driven by local desire to strengthen local communities
- **Reduction in Overall Transportation Risk**

Executive Summary

■ Consent-Based Siting Is Proven

- It has worked in the past and can work for CIS
- Must establish standing and credibility first

■ Host Communities Have Key Roles in Building Trust

- Current and potential hosts have legitimacy
- Shared values promote collaboration
 - Promote consent based siting and reduce transportation risk

■ The Host Community Network

- Non-profit organizing vehicle
- Coalesce and align these host communities to support the necessary federal action to implement CIS

Thank You

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