

Electric Mobility Demonstration Workshop

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American Center for Life Cycle Assessment
Institute for Environmental Research and Education





Institute for Environmental Research & Education

- Environmental non-profit (501c3)
- Supports Fact-based Environmental Decision-Making
- Headquartered in Washington State
- Diverse funding base (private, public, business, fee-for-service)
- Life Cycle Communities Program
- First program operator in US for Environmental Product Declarations (2005)

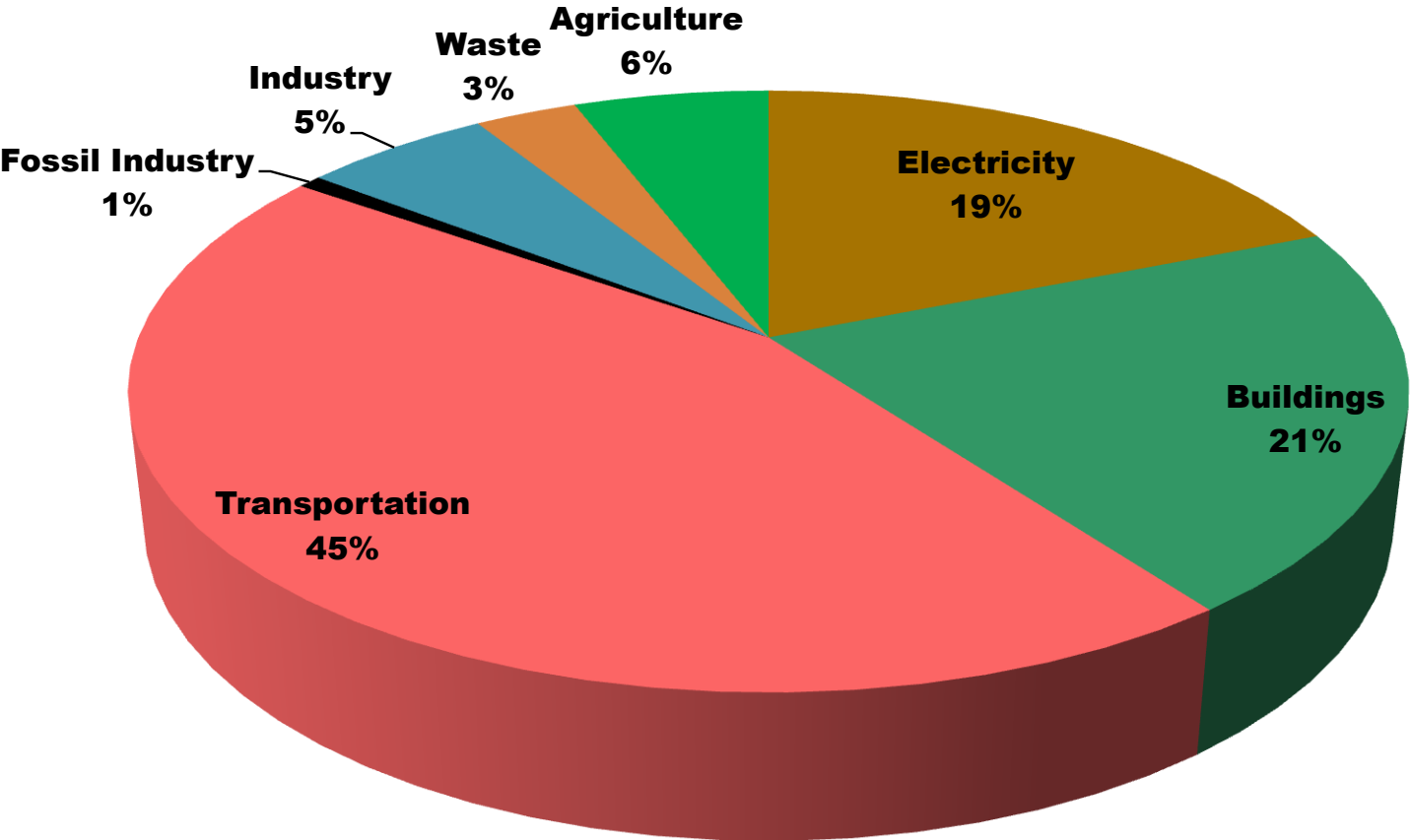
American Center for Life Cycle Assessment

<http://lcacenter.org>

- LCA is the science of measuring the environmental impact of products & systems
- Professional society for LCA in the USA
- Next conference in Chicago October 4 – 6, 2011
- Certification for LCA Professionals
- Policy and other support for field of LCA



Washington Carbon Footprint



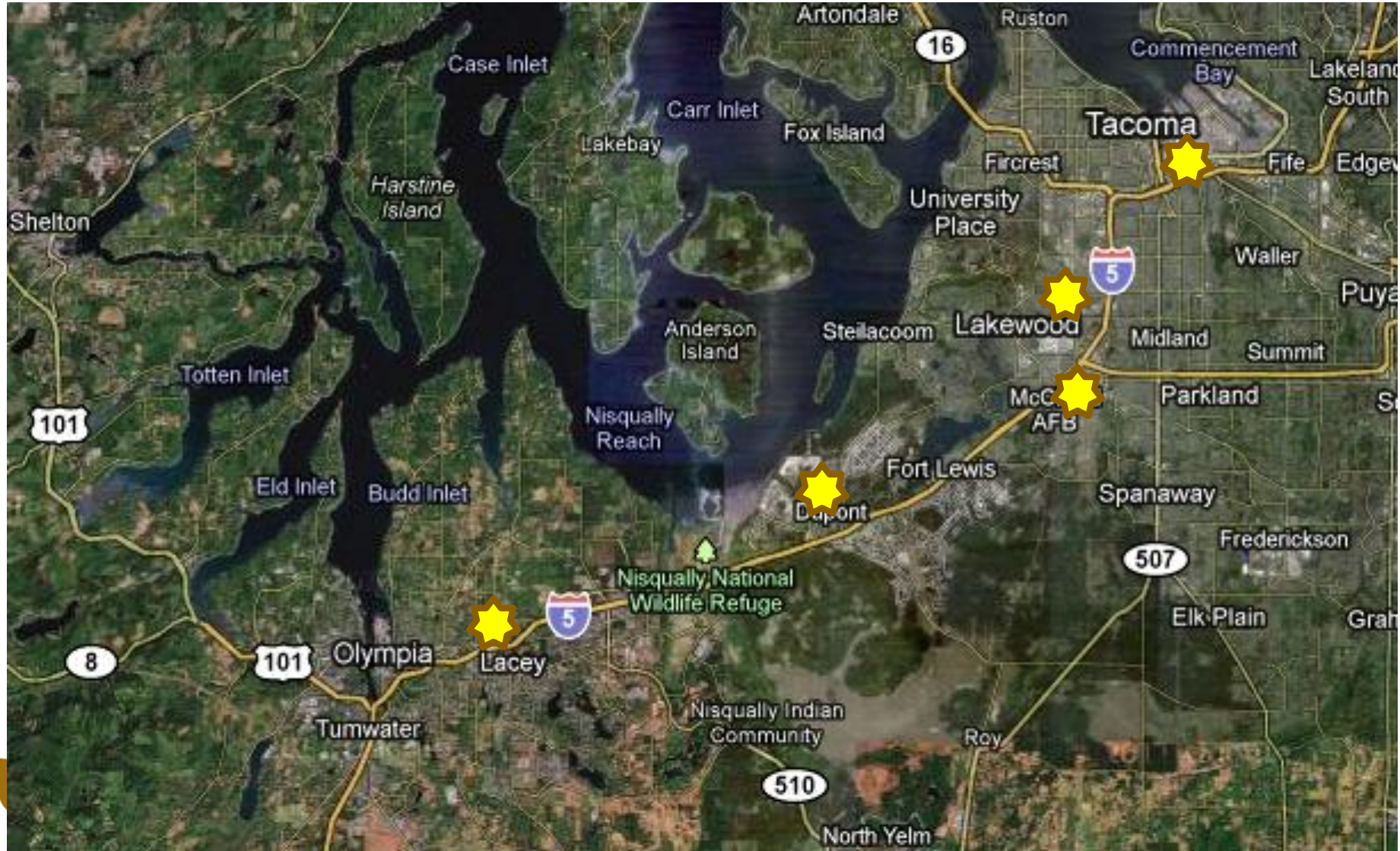
Traffic at JBLM



Mobility Hub



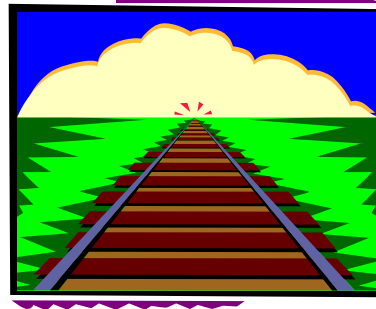
Potential Hub Locations



Phase 1



Phase 2



Track

Phase 3



locomotives



Hubs

People at the Party

	Federal	State	Local	Private
Legislative	Congress	State Legislature	City/county council	
Administration				
Executive	White House	Governor	Mayor, City Manager	
Transportation	U.S. DOT	WA DOT	Light rail, Sound Transit, Pierce Transit	Individuals
Energy	DOE		TPU	PSE
Defense	DoD	Nat'l Guard		
Economic Development	HUD	Econ. Dev. Comm./Dept. of Commerce	Econ Dev. Dept.	Tacoma/Pierce Econ Dev., Thurston Econ. Dev.
Environment	EPA	Dept. Ecology	Env. Services	NGOs
Labor	DOL	L&I		Unions
Research	INL	UW	UWT	IERE



Technology Enablers

Software

- Microsoft
- INRX
- Voicebox Technology
- Google

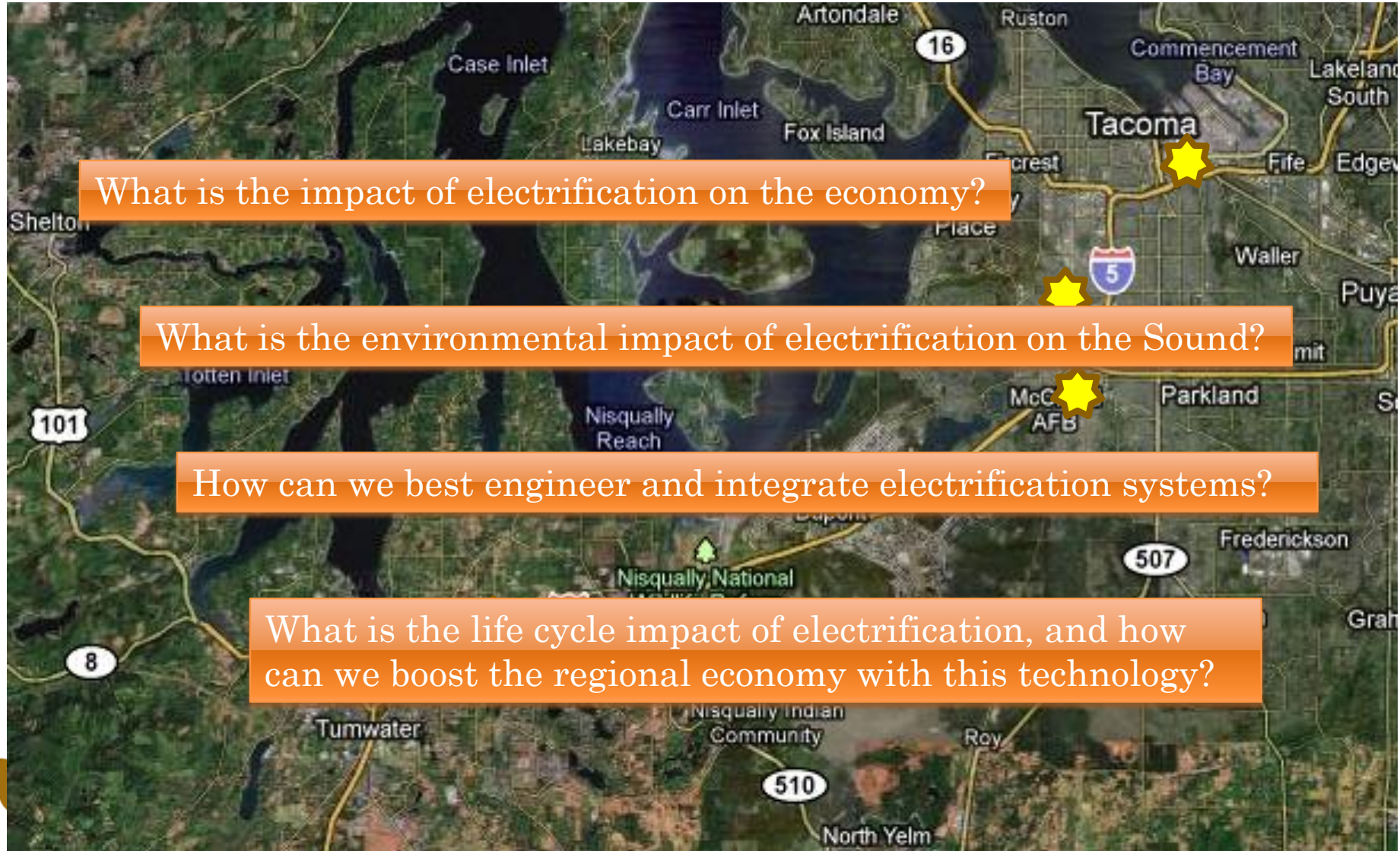


Hardware

- Ford
- GM
- GE
- Nissan
- SPX & other charging manufacturers
- Cellphone Manufacturers



Whole Systems Research



Timeline

- Have we got the right actions?
- Are they in the right phases/times?



Budget

- Have we got the unit prices right?
- How many of these units do we/your organization need?



Stakeholder Commitments

- What tasks can your organization commit to?
- What things would you like to be able to do (and your barriers)?

