



**ENERGY
NORTHWEST**

“Electrifying Transportation”

A Northwest Regional Pilot Project

Cascadia Transportation Conference
Redmond, Washington

Vic Parrish
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Confessions of Lifelong “Nuke”

- ✦ I’m a “Nuke” at heart
 - Four-plus decades in nuclear operations
- ✦ NW off track on electric power issues
 - Didn’t learn (enough) from 2000-2001
- ✦ Carbonless society is achievable!
 - IGCC power plant as a “bridge”
- ✦ Walking the talk with solar



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Why Electrify?

- ✦ Progress toward Carbonless society
- ✦ Reduces foreign energy dependence
- ✦ Supports Gov. Gregoire's CO₂ goals
- ✦ Northwest environmental leadership
- ✦ Addresses #1 emitter – ground vehicles

Energy Northwest Team

- ✦ 50 years young; innovative spirit
 - Experience aggregating power projects
 - Strength in numbers; 20 WA utility members
 - Solid ISO 14001 commitment
 - Own, operate renewable power systems
 - Actively developing more renewables
 - “For the rate-payers, not-for-profit”

Challenges to the electric highway

- ✦ Making enough electrons
 - Demand is growing; power production is not
- ✦ Delivering electrons to the dashboard
 - Grid issues are weak link
- ✦ Leadership and action
 - Trailblazers required
- ✦ Money
 - Talk is cheap; making power isn't

Hard answers to simple questions

- ✦ Where do we get the power?
 - IGCC “bridge” first; followed by nuclear
- ✦ How do we get the power to our cars
 - Grid enhancements are essential
- ✦ Who will “drive” this idea to reality
 - EN leading pilot project; Join our team!
- ✦ Money
 - Federal grant dollars exist

Questions ?

