ITS often overlooks energy benefits
• Safety and congestion have traditionally been the primary motivations
• Energy and environmental benefits could help ITS projects qualify for certain types of funds or programs

Energy policies value ITS applications
• ITS can help reduce delay
• ITS can help reduce VMT
• Staffing/operations investments may be superior to capital project

National Findings:
1. Reducing delay with ITS is achievable, but the benefits may be small.
2. Reducing VMT with ITS could have major benefits, but there is great uncertainty.
3. The energy benefits from ITS may depend on investments in staffing/operations rather than capital.

Oregon's 10-Year Energy Action Plan Promotes ITS
• The plan identifies the accelerated deployment of ITS as an important near-term strategy.
• The plan identifies the deployment of electric vehicles as an important long-term strategy.

ITS is thoroughly deployed in Oregon
• The existing ITS infrastructure provides an established framework from which a more integrated system and environmental benefits can be achieved.

Regional Findings:
1. Oregon's political support for ITS is an advantage.
2. Oregon's existing deployment of ITS is an advantage.
3. If road pricing is essential, Oregon has a head start.
4. Fiscal constraints will continue to be a significant barrier to implementation.

Conclusions
1. Catch 22
   Limited documentation of energy benefits of ITS constrains future investments in energy-focused ITS projects.
2. Game changing connectivity
   Connected vehicles enable significantly greater environmental benefits.
3. The price is right
   The ascendance of road user fees and asset management are both conducive to energy-saving ITS deployments.

Oregon ACTION

Traffic Incident Management Training
• A basic operational strategy already sought by local agencies
• An opportunity to demonstrate energy benefits along with safety and mobility gains
• With FHWA help, Oregon has launched a statewide train-the-trainer TIM initiative

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