

King County's Role in Supporting Electric Vehicle Infrastructure

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December 9, 2009







Investing in Level 1 Technology



- Clean Vehicles NOW! Conference
- Evergreen Fleet Initiative
- Idaho National Lab PHEV Pilot Project
- Park and Ride Plug-In Pilot Project

Moving to Level 2 Technologies

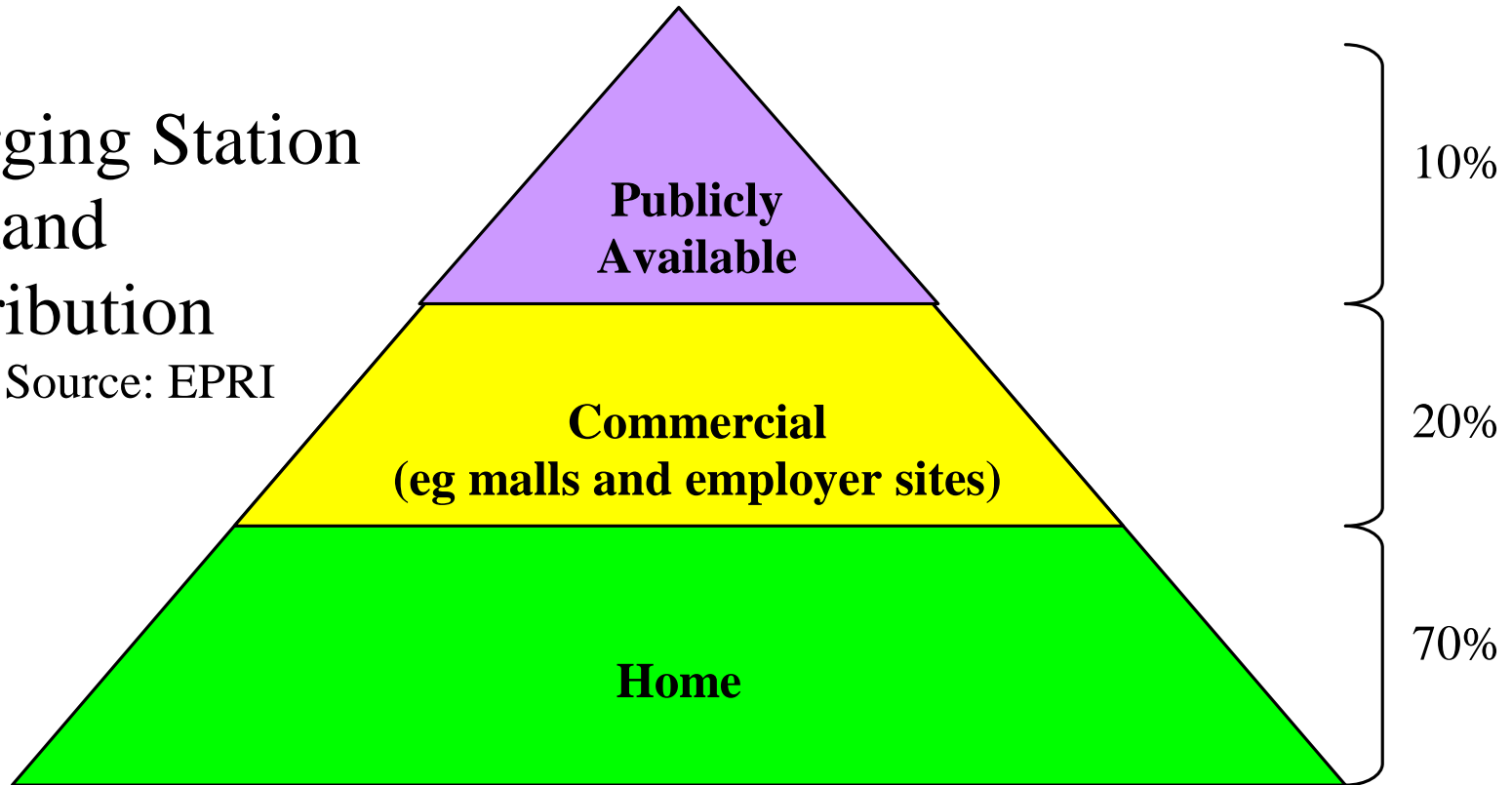
As Technologies Improve, Major Automobile Manufacturers are Entering EV Market

<i>1990's – 2009</i>	<i>2009 – 2012</i>	<i>2013 and Beyond</i>
<p>Level I Charging (120V)</p> <p>Neighborhood Electric Vehicles</p>  <p>Plug-in Hybrid Conversion</p>  <p>Tesla</p> 	<p>Level II Charging (240V)</p> <p>Nissan LEAF = 2010</p>  <p>Ford Focus = 2011</p>  <p>Chevy Volt = 2011</p> 	<p>Level III Charging (480V)</p> <p>?</p>

Charging Station Distribution

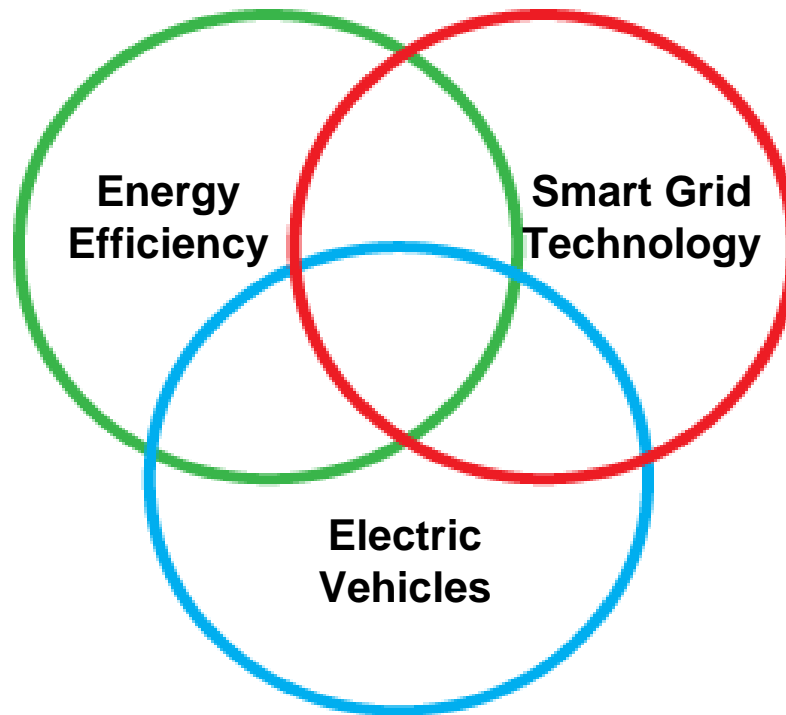
Charging Station Demand Distribution

Source: EPRI



Regional and State Coordination

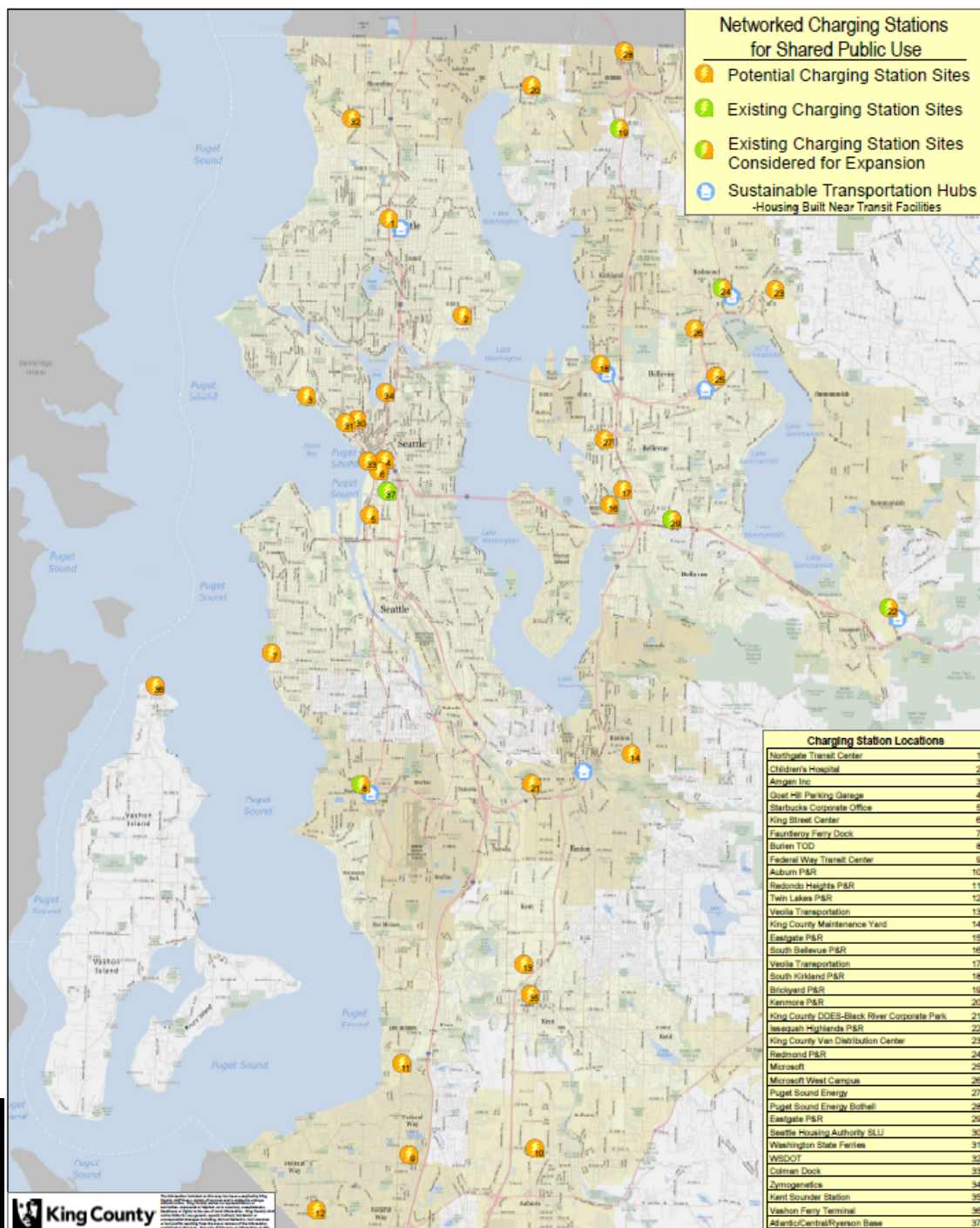
- House Bill 1481: Making the State EV Ready
- Puget Sound New Energy Solutions



King County's Level 2 Interests

- Purchase Vehicles for:
 - Vanpool
 - Vanshare
 - Motorpool
- Provide Publically Available Charging Stations:
 - County Garages
 - Park-and-Rides
- Promote Technology and Local Green Jobs

Charging Station Planning



King County

The Future *Fully Integrated Transportation Hubs*



*Issaquah
Highlands
TOD*



*South Kirkland
TOD*



*Burien Town
Square TOD*



Northgate TOD

