Sustainability Initiatives

1. Wayside Energy Storage
   At the SE Tacoma St/Johnson Creek Station – Captures regenerative breaking energy of a train going downhill and stores that energy to be reused as it leaves the station.
Sustainability Initiatives

2. EcoTrack
At the Lincoln St/SW 3rd Ave Station – Utilizes the same principles of an Eco Roof and applies them to paved track way. Through plantings, Eco Track provides an aesthetic treatment, captures runoff, cleans air, reduces heat island effect and creates habitat for insects.
Sustainability Initiatives

3. Potential Green Roofs

On two buildings in the West Segment and five buildings in the East segment –
Same benefits of eco track (captures storm water, reduces heat reflection, treats air pollution and provides habitat). Also, has the benefit of providing extra building insulation.
4. Potential Photovoltaic (PV) in Platform Shelters to Capture Solar Energy

At 10 stations and 16 shelters alignment wide – Exploring the option of utilizing Bi-facial PV panels integrated into the glass roofs of the platform shelters. Very innovative approach utilizing a US made system to offset electrical use at the light rail stations. Translucency of the bifacial panels has the added benefit of capturing some reflected light.
Sustainability Initiatives

5. Potential Vehicle Charging Stations
   At the Park & Rides – Charging stations would enhance the vehicle charging network in the region while promoting the use of the Park & Ride. Adding these to the Park & Rides would leverage the visibility of the McLoughlin corridor while promoting the use of non polluting vehicles.