MetroLINK – At a Glance

• Illinois Quad Cities multi-city transit authority, serving Moline, Rock Island, East Moline, Silvis, Hampton, Carbon Cliff, Colona, and Milan

• Operate 12 fixed-routes with a fleet of 60 coaches, 15 paratransit fleet, 3 passenger ferryboats

• Sustainability vision – to be a leader in developing a sustainable Quad Cities via voluntary efforts to reduce vehicle emissions through alternative fuels, build efficient and sustainable infrastructure, and communicate transit benefits to the community
Sustainability Initiatives

• All new infrastructure designed to USGBC LEED standards

• Operations and Maintenance Center features:
  • 1,344 individual, 255 W solar panels capable of producing 342.72kWp supplies a portion of the building’s electrical needs
  • 32 solar panels supply all hot water needs
  • Bus wash with state of the art water reclamation
  • Energy recovery system, radiant floor slabs
  • Daylighting, occupancy controlled lighting, low VOC carpets, paints, adhesives, and composite materials
  • Bioswales to control storm water runoff
  • CNG fueling system and battery electric bus charging stations


• Public Relations campaigns and key community partnerships to support sustainability efforts (John Deere, MidAmerican Energy)

• American Public Transportation Association Sustainability Commitment
Budget Impacts

- Average cost per mile by fuel type:
  - Diesel - $1.28
  - CNG - $.83
  - Electric - $.32

- Rooftop solar array has provided $169,211 in savings to date.
Public Education Campaign (CNG Bus, 2003-2009)

**WHY RIDE METRO?**

Half of Metro’s fleet runs on Compressed Natural Gas (CNG) buses which reduce exhaust pollutants by 70 to 85 percent.

Converting one diesel bus to CNG saves about 145 barrels of petroleum annually.

A solo commuter switching their commute from a private vehicle can reduce CO₂ emissions by 20 pounds per day – more than 4,800 pounds in a year.

Public transportation is estimated to reduce CO₂ emissions by 37 million metric tons annually.

Save Something **GREEN**

GoGreenMetro.com
Education Campaign (Proterra Electric Bus 2018)

- Employee launch event: 3/1/18
- Public/media launch event: 4/16/18 at SouthPark Mall
Lessons Learned

• Learning curve for staff on building and vehicle systems
• Research, research, research vendor qualifications – garner input from other users of a proposed system or vehicle
• Utilize all funding sources available (rebate programs, clean energy grants, leasing, etc.)
• Engagement and education of staff early on is key to success
• Public education critical component
• Technology is evolving quickly