Hawaii Clean Energy Day
Getting to 2030

City and County Perspective
August 16, 2016

Mark Garrity
Department of Transportation Services
How do we get there from here?

- Transit
  - HART Rail Project
  - Rail Station Access
  - Bus Fleet

- City Vehicle Fleet
  - Facility Maintenance
  - Electric/LPG/Flex Fuel

- Bicycle and Pedestrian
  - Complete Streets
  - Protected bike lanes

Two-pronged approach:

1. Make the fleet greener
   - Hybrid-Electric
   - Hydrogen fuel cell
   - Battery Electric

2. Make the trip greener
   - Mode shift
   - Trip chaining or “the trip not taken”
Greening the Bus Fleet

- Fleet is now 20% Hybrid Electric
- Reduced fuel consumption, emissions and noise
- Future includes battery electric and other renewable fuel sources
City and County Fleet

- 2 electric vehicles
- 10 electric utility carts
- 1.4m gallons of B20 biodiesel used last year
- 9 electric vehicle charging stations (6 open to public)
- 13 trucks using LPG
- 175 flex-fuel capable vehicles
Multimodal Transit Program

- Catalyst for active transportation; primary access via bus, walking and bicycling
- Electrification allows rail to become greener as utility converts to renewable energy
- Vehicle Miles Travelled reduced by 600,000 (4 percent)
- Reduces transportation energy demand by 3 percent
- Bus, rail, together with other options provides consumer choice
Honolulu Complete Streets Program

- Make it safer, easier and more convenient to walk, bike and use transit
- Serve the needs of all users, not just drivers
- Allow our keiki and kapuna to live full lives without being dependent on others for getting around
Mahalo!