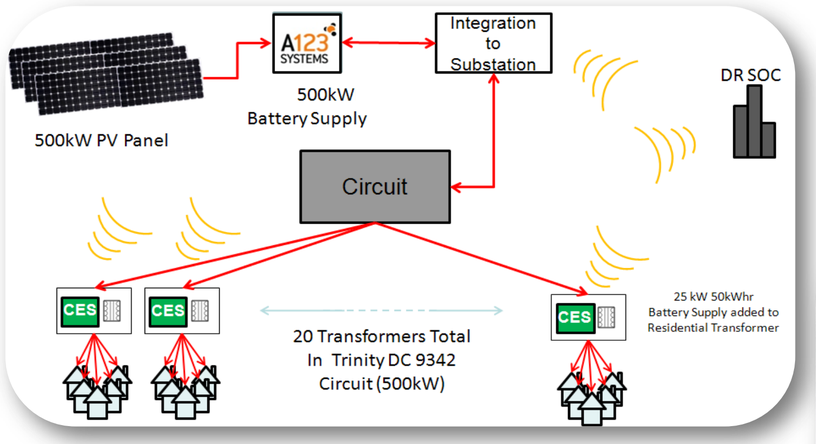
Detroit Edison's Advanced Implementation of Community Energy Storage Systems for Grid Support

Hawk Asgeirsson
313.235.9371



Overview of DTE Energy CES Project

* Benefits: Volt/Var Support, Circuit Load Leveling, Regulation Services (AGC), Renewable Integration

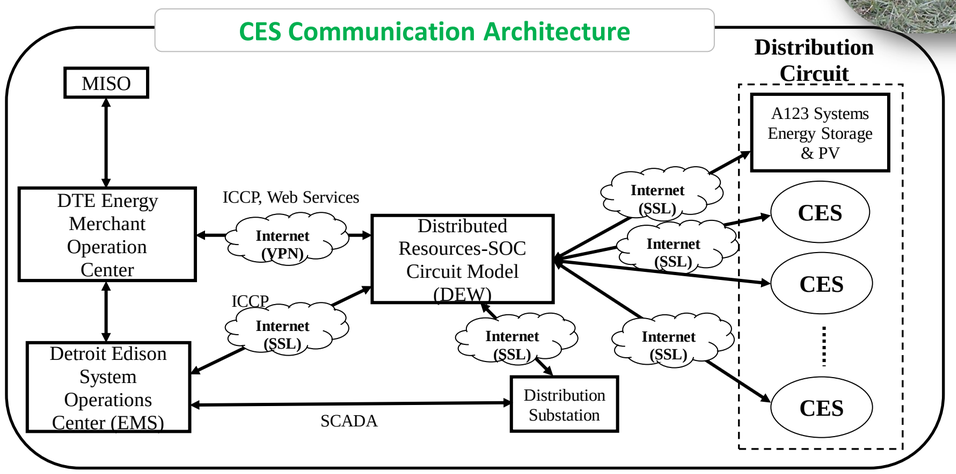
First DTE Energy Installed CES Unit

CES Parameters	Value
Power	25 kW
Energy	50 kWh
Voltage	240/120V AC
Battery - PEV	Li-Ion

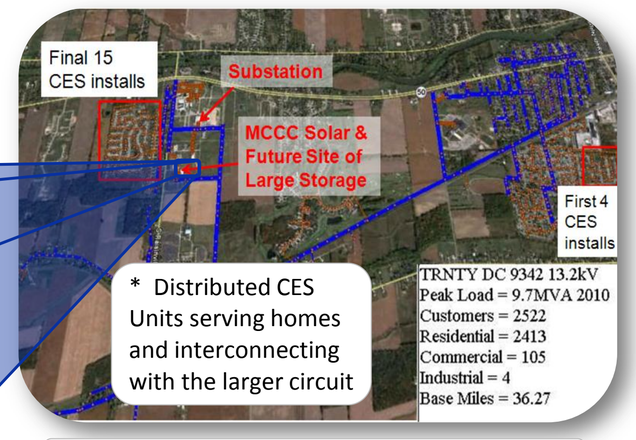
Electric Vehicle integration

* Two CES units will be powered using recycled Electric Vehicle batteries

CES Communication Architecture



* Integration of Large Solar and Storage at Monroe County Community College



CES Installation Overhead View: Monroe