

## **Introduction**

### **Section 1: About Con Edison's Grid**

- The Electric Supply Chain
- Con Edison Radial Network
- Con Edison Network Grid

### **Section 2: Technical Interconnection Considerations for Fuel Cells**

- Interconnecting Fuel Cells on Radial Service
  - Typical limitations and potential upgrade requirements
- Interconnecting Fuel Cells on Network Service
  - Typical limitations and potential upgrade requirements
- Interconnecting Fuel Cells on Spot or Isolated Network Service
  - Information on smart grid solutions

### **Section 3: Interconnection Process**

#### **3A - Gas Interconnection**

- Prior to Submission: References and List of Required Documents and Forms
  - Drawings
  - Load Letters
  - Permits/Certificates
  - Introduction to Rider H & Rider J
- Best Practices for Applications
  - Final Gas Checklist
  - Gas Risers requirement for Rider H
- How To Submit: Project Center Overview
- Communications During Your Project
  - List of Departments and Responsibilities Related to Fuel Cell Gas Connection

#### **3B - Electric Interconnection**

- Prior to Submission: References and List of Required Documents and Forms
- Best Practices for Applications
  - Use during grid outages requires additional documentation
- Three Line Diagrams
  - Samples
  - Checklist of required content

- How To Submit: Project Center Overview
- NYS SIR Interconnection Process
  - Brief overview of steps and flow chart of SIR options
  - CESIR: costs, timeline, results
  - System/service upgrades: costs, timeline, coordination
  - Verification testing checklists and procedures
  - Review of closeout procedures (metering, final acceptance)
- Communications During Your Project
  - List of Departments and Responsibilities Related to Fuel Cell Electric Interconnection

#### **Section 4: Rates and Service Classifications**

- Typical Gas Service Classifications
  - Rider H Gas
  - Rider J Gas
- Typical Electric Service Classifications (SC-1, SC-2, SC-8, SC-9)
  - Demand v. energy-only and basic charges
  - Rider R and Designated Technology definition
- Net Metering
  - How it works
  - Avoided Cost Reconciliation
  - RNM & CDG
- Important Net Metering Points for Fuel Cell Customers (examples below)
  - Net metering readings compared to Fuel Cell production
  - Net metering and demand charges
- Con Edison Fuel Cell Resources for Customers
  - Website materials
  - Distributed Generation Guide
  - Gas Yellow Book

#### **Section 5: Fuel Cell Paired with Other Technologies**

- Net metering considerations with Solar/Wind
  - Avoided Cost versus Retail NEM
- Net Metering considerations with Battery Storage
  - “Allied Converters” type solution
- Net Metering considerations with CHP plants
  - Note on loss of efficiency of CHP Plant

#### **Section 6: Contacts for Further Questions**

#### **Section 7: Definitions and Acronyms**