



**FC - 1130**

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**DC MEDSIS**



**Ernest Jolly, Energy Chief - DC Water**



**November 19, 2015**





# Anaerobic Digester and CHP

- CHP was a supporting part of DC Water's larger project: Biosolids Management Program
- Chose a Design, Build, Operate model thru a RFP
- Delineation of accountabilities between successful bidder, DC Water and Pepco was critical



# Standard Agreement For Interconnection and Parallel Operation of Generation Facilities

- Advance meetings with Pepco to learn about the requirements of the agreement
- Pepco was reluctant to commit technical participation doing DC Water's project preliminary design
- As the distribution company, Pepco guidance was critical to determine the technical and financial requirements of the interconnection agreement. Pepco is the only entity that could provide such guidance. There are no market options.



# Standard Agreement For Interconnection and Parallel Operation of Generation Facilities (Continued)

- This initial reluctance made it more difficult for DC Water to respond to bidders
- Once DC Water put out a RFP and brought bidders to the table, Pepco began providing some of the technical guidance needed by bidders to respond to the RFP
- Discussion with Account Rep to understand the steps to gain approval of the agreement
- There was not a published step by step process so we learned along the way

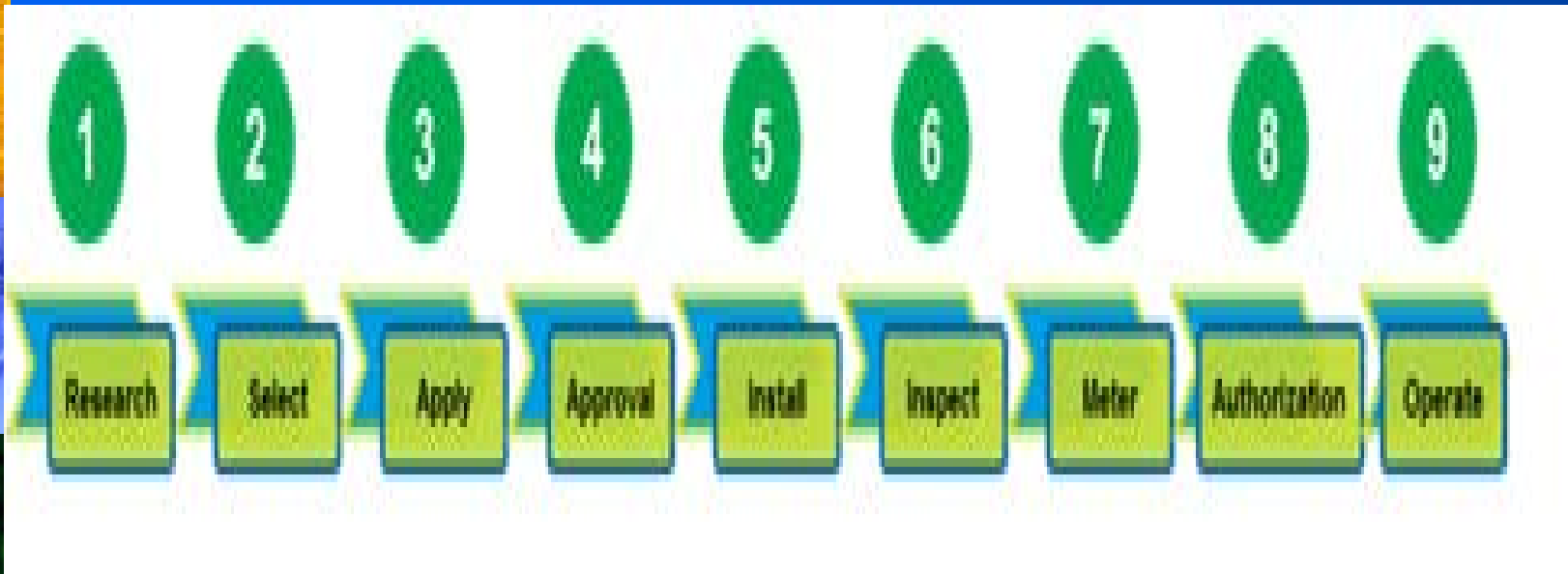
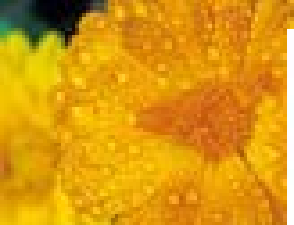


# Standard Agreement For Interconnection and Parallel Operation of Generation Facilities (Continued)

- Time to complete agreement
  - ✓ Kicked off preliminary discussion summer 2010
  - ✓ Per Agreement
    - January 1, 2015 Energization Date
    - In-Service February 1, 2015
  - ✓ Agreement Final Executed February 3, 2015
  - ✓ We still kept the process moving forward

# Pepco's Current Process

## Pepco's green power connection





# Addition Improvements

- Add projected timelines for application processing associated with each step
- Develop a business model that evaluates the value stream components of distributed generation



# DG-IV Document-10-2015 (TVA) Value Stream Components

- Avoided energy
- Generation capacity deferral
- Generation O&M
- System losses
- Transmission system impact
- Reserves
- Environmental impact





# DG-IV Document-10-2015 (TVA) Value Stream Components (Continued)

- System integration/ancillary services
- Economic development impact
- Security enhancement
- Disaster recovery