Retrocommissioning (RCx) Express

A Fast-track Building Retrocommissioning Program offered by LADWP

Presented By:
Armen Saiyan, P.E.
RCx Express Program Engineer
Commissioning: Methodical process of verifying all equipment in a new building are in proper and efficient operation.

Retrocommissioning: Commissioning on an existing building. May take several months to years to implement.

RCx Express: Limited to 13 fast-track measures

- Reduce Fan Operation Schedule
- Adjust Airside Economizers
- Adjust Zone Temperature Deadband
- Add Supply Air Temperature Setpoint Reset Strategy
- Add / Restore Supply Fan VFD
- Add / Optimize Boiler Lockout
- Add Chilled Water Supply Temperature Setpoint Reset Strategy
- Add Condenser Water Supply Temperature Setpoint Reset Strategy
- Restore Chilled Water Pump VFD
- Reduce Lighting Operating Schedule
- Restore Lighting Occupancy Sensors
Program Workflow

Workflow

- Customer or RCx provider fills in application
  - Measures Checklist
  - Data Collection Packet or BOA Tool
- Pre-Install Inspection
- Engineering Evaluation
  - BOA Tool
  - C-BOA Tool
- Authorization to Proceed
- Measures Implemented
- Post Install Inspection
- Incentives Paid @ $0.08/kWh and $1/Therm saved
2011 Pilot program

- ARRA Funded
- LA Commercial Building Performance Partnership (LACBPP)

Current Program

- Partnership with SoCalGas
- Vendors (RCx Providers)
LADWP Board Approved MOU agreement with SoCalGas

Through the partnership with SoCalGas, LADWP now offers incentives for Therms savings in addition to kWh savings for RCx Express

Vendor Driven Program

Trade Ally Concept

RCx Providers market the program

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<th>Measures</th>
<th>kWh Savings</th>
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Customer Training Seminar

- Morning Introductory Seminar
- Afternoon hands-on training using BOA tool & CBOA
- Opportunity for RCx Providers to network with Customers
- Scheduled for January 23rd 2013 at SoCalGas ERC
For more information visit our website www.ladwp.com/rcx

Email: rcx@ladwp.com
Phone: (213) 367-3068