

# City Power Transitions



Chicago Advanced Energy

Q2 Stakeholder Breakfast - Buildings and Grid Modernization

May 2019

Mandy La Brier, Director of Energy Management – 2FM EPM

# You are powerful!

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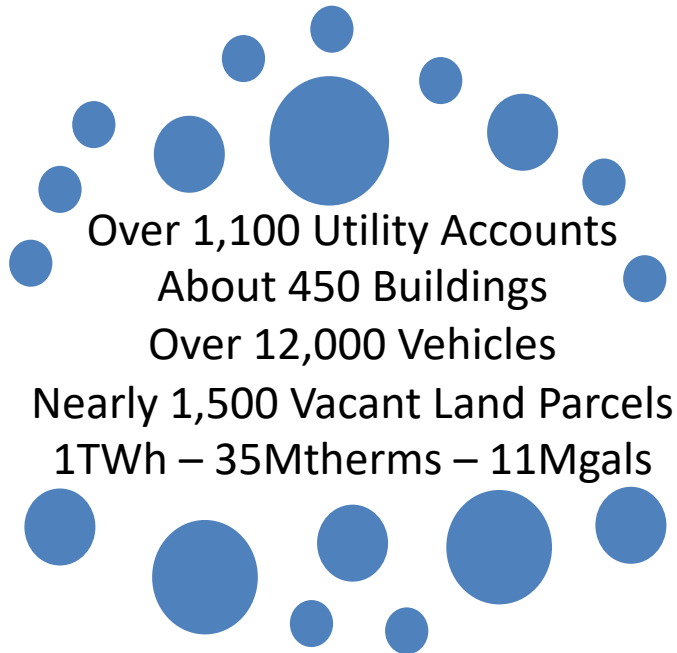
“Most people are moved by human stories and what they see people doing.”  
– Tim Dechristopher, Climate Activist - Peaceful Uprising



FLEET & FACILITY MANAGEMENT

# Energy Procurement and Management

## Over \$300M Budget & 10K Assets



Over 1,100 Utility Accounts  
About 450 Buildings  
Over 12,000 Vehicles  
Nearly 1,500 Vacant Land Parcels  
1TWh – 35Mtherms – 11Mgals



# Collaboration = Optimization

Retrofit One



BOC Training  
HVAC Tune-ups  
RCx



LEED Building  
Analysis



Renewable  
Buildings &  
Land Analysis

Renewable  
Chicago  
Working Group



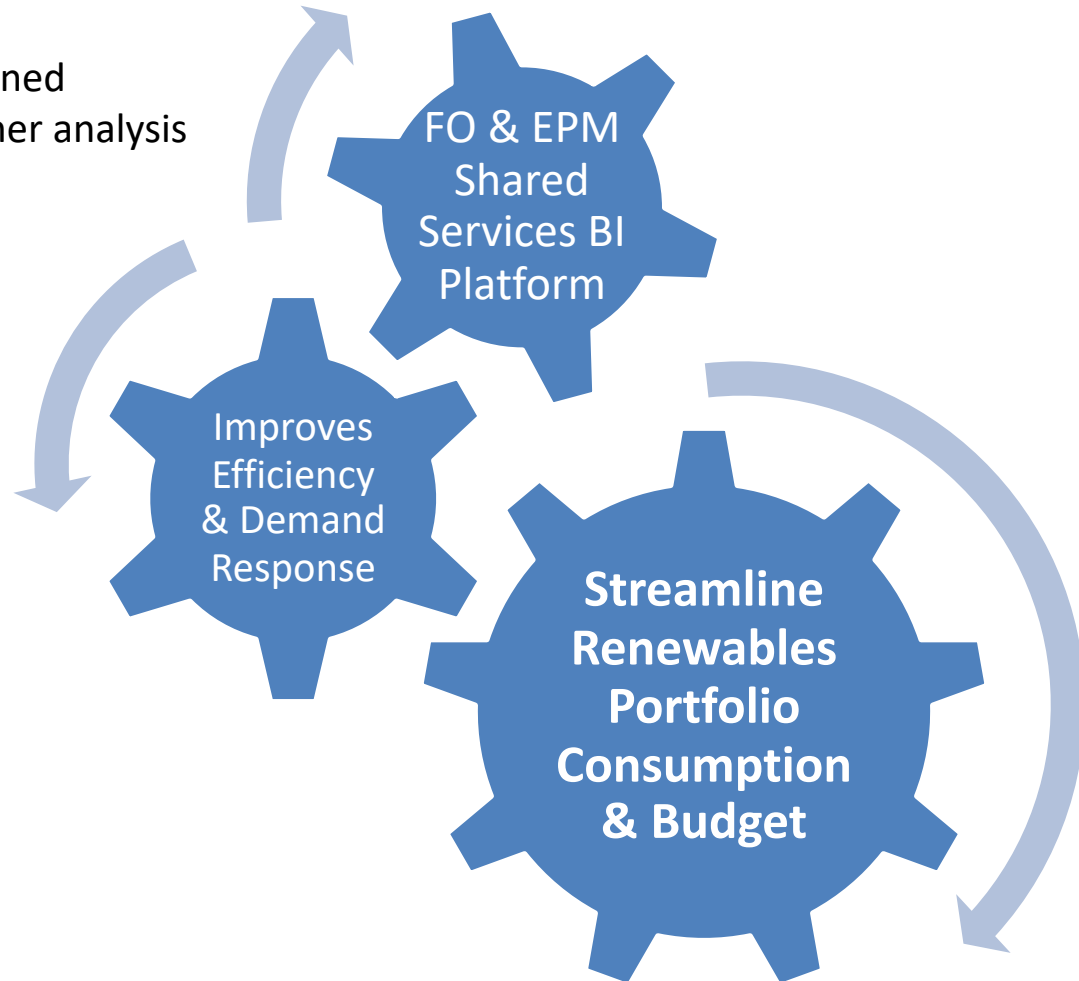
2015 →

→ 2017

# Lessons Learned + Gears in Motion

## LEED Analysis

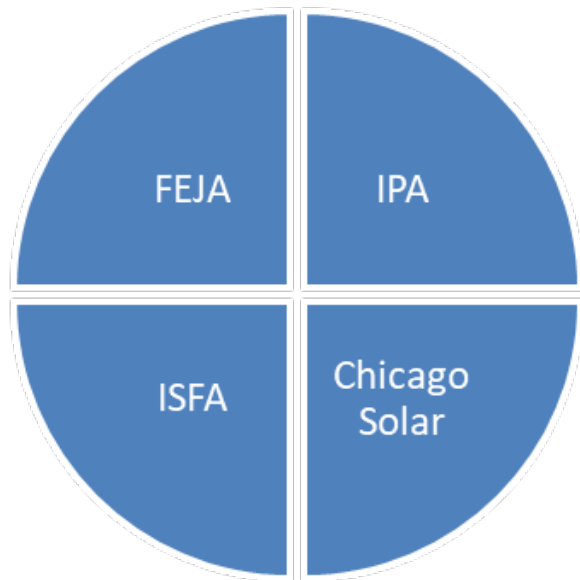
- 8 of 18 Bldgs. performed better than designed
- 10 Bldgs. that performed worse need further analysis to consider operational differences



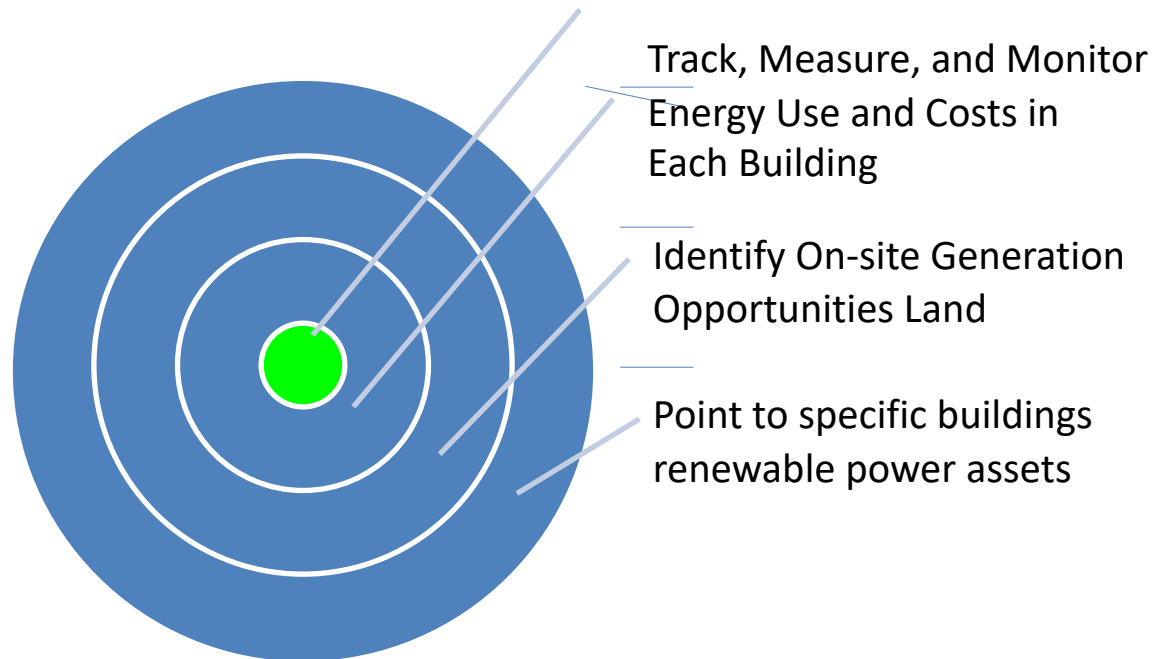
# Practice Makes Perfect

## Effective Operations = Effective Policy (vice versa)

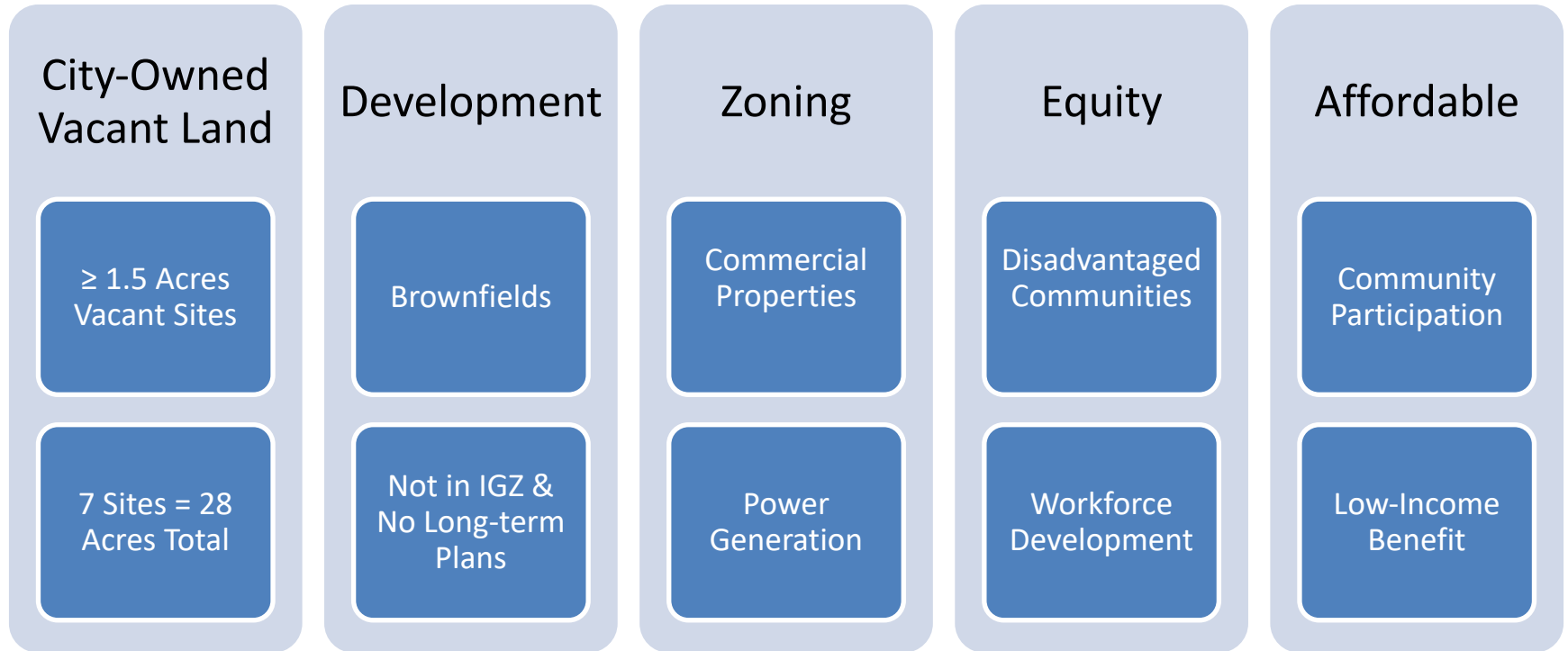
### Grow Renewable Energy Economy 25% RPS 2025



### 100% Renewable Power in Public Buildings

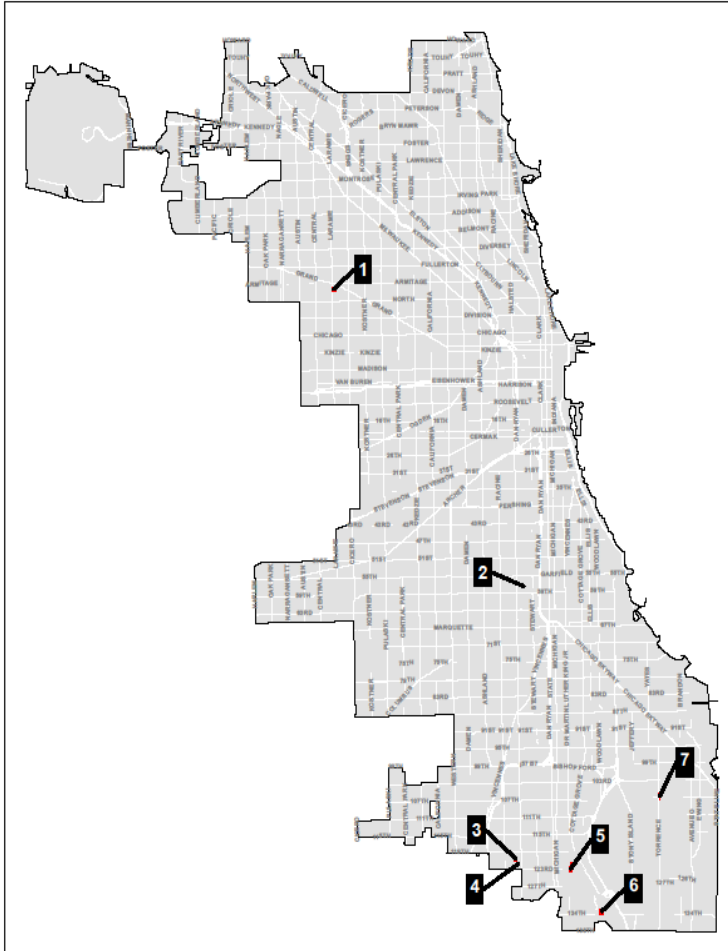


# Chicago Solar Ground-Mount On-site Generation Development



# Chicago Solar Ground-Mount Prospective Sites

## Solar RFP Locations

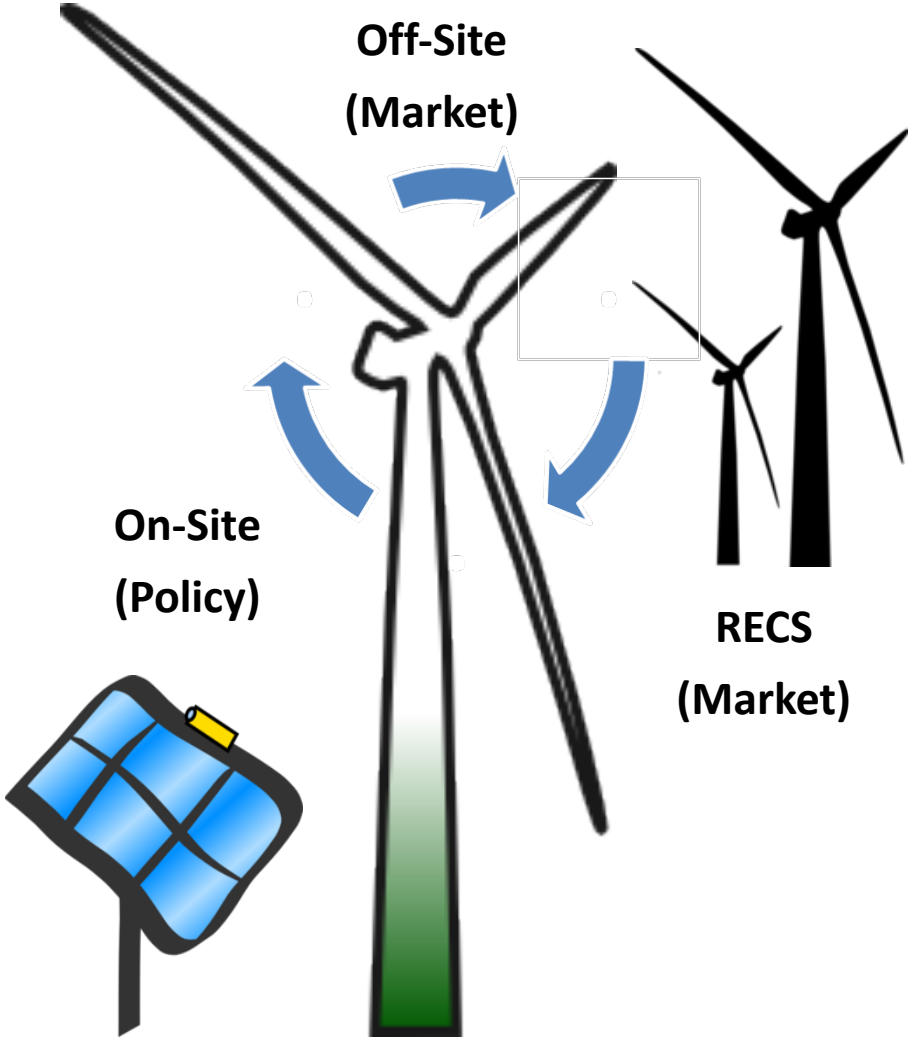


## Chicago Solar Ground-Mount RFP Locations

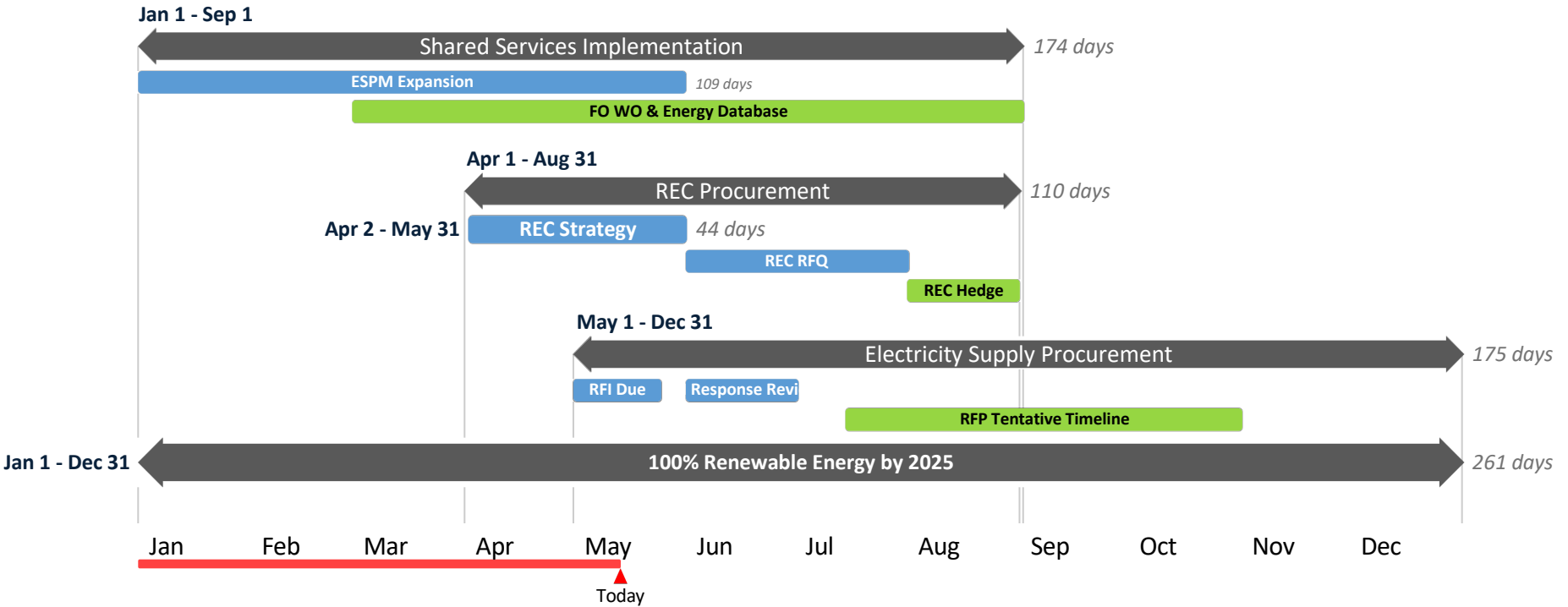
Site	Location	Community	Acres
1	Laramie-Moffat	Austin	6.7
2	611 W. 57 <sup>th</sup> St.	Englewood	2.0
3	915 W. 120 <sup>th</sup> St.	West Pullman	4.9
4	850 122 <sup>nd</sup> St.	West Pullman	1.5
5	12301 S. King Dr.	Riverdale	4.4
6	1100 W. 133 <sup>rd</sup> St.	Riverdale	7.1
7	10600 S. Torrence	South Deering	3.2
<b>Total City-Owned Vacant Land Acres</b>			<b>29.8</b>



# Chicago 100% Renewable Energy Off-Site Generation Strategy & Planning



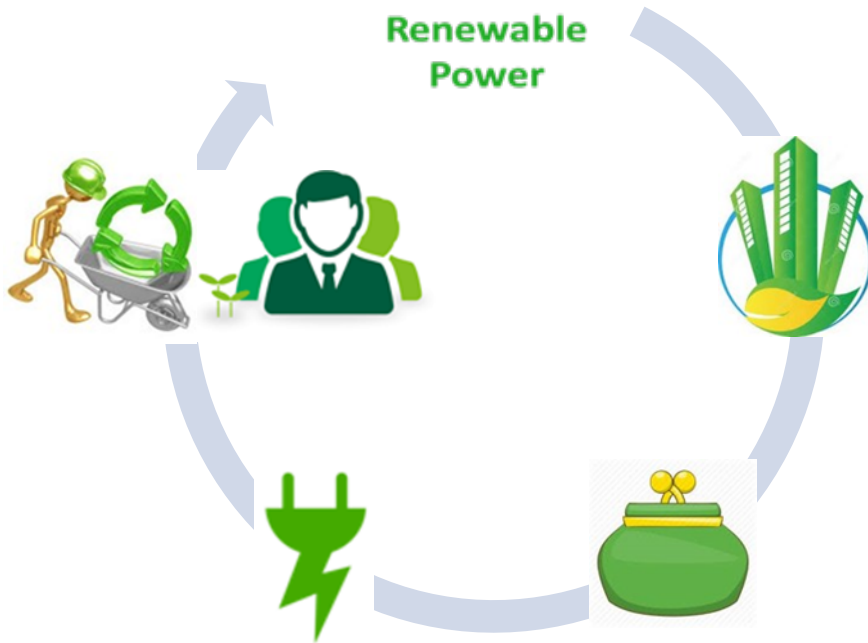
# On the Horizon



# Mission Critical

# Needed near-term solution

**100%**  
Renewable  
Power



Government transparency, performance improvements and budget savings require state-of-the-art data and increased resources.

# Contact Information

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