



FY 2018 ENERGY PROGRAMS

*GreenSense Incentive Program
and Distributed Generation*



Topics for Discussion

- Sustainable Denton Update
- GreenSense Incentive Program
 - *Program Evolution*
 - *GreenSense Budget*
 - *Proposed Updates*
- Distributed Generation
 - *DG Manual*
 - *SolSmart Designation*

Sustainable Denton Update

	WHAT DID PEOPLE DO THE MOST?			WHAT DID DME FUND THE MOST?	
Rebate Type	# of Rebates Issued	% of Rebates Issued	Total Project Cost	% of Rebates Funded	Total Rebates Funded
HVAC	223	48%	\$ 1,724,122.47	68%	\$ 136,900.00
Radiant Barrier	12	3%	\$ 19,772.16	2%	\$ 3,300.00
Solar Screens	29	6%	\$ 32,607.00	3%	\$ 5,208.10
Insulation	47	10%	\$ 62,364.54	9%	\$ 18,209.03
Windows	63	14%	\$ 551,571.61	15%	\$ 30,433.56
Ducts	12	3%	\$ 14,020.03	1%	\$ 1,549.31
Smart Therm	75	16%	\$ 21,848.41	2%	\$ 4,400.00
SUM	461	100%	\$ 2,426,306.22	100%	\$ 200,000.00



GreenSense Incentive Program



Program Evolution

1998 – EnergySave Program

- *High efficiency HVAC Upgrade Rebate to Customers*
- *Efficient New Home Rebate to Builders*



2009 – GreenSense Rebate Program

- *Windows, Insulation, Radiant Barrier, HVAC, Smart Thermostats, Air Ducts, Solar Screens, Solar Water Heater & Solar PV*

2016 – DME partnered with Sustainability

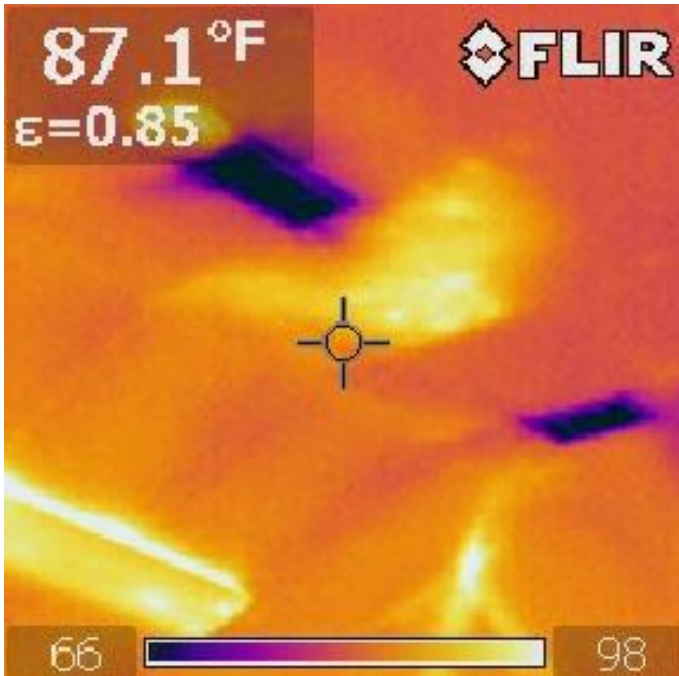
- *Sustainable Denton administers the energy efficiency rebates and residential audits.*

2017 – GreenSense Incentive Program

- *Battery Storage with PV Installs*



GreenSense Incentive Program



- Free In-Home Energy Audits
- Energy Efficiency Rebates
 - Residential, Multifamily, and Small Commercial
- Standard Offer Incentive
 - Medium and Large Commercial
- Engineering Audit
 - Industrial
- Services for ERCOT's Emergency Response Service (ERS) Program

GreenSense Budget

	Actual	Budgeted	Committed	Proposed
	FY 2016	FY 2017	FY 2017 YTD	FY 2018
Solar Rebate	\$173,127	\$200,000	\$200,000	\$290,000*
Standard Offer Program	N/A	\$20,000	\$9,659	\$20,000
Industrial Audit	N/A	\$40,000	\$0	\$40,000
Efficiency Rebate	\$185,982	\$200,000	\$200,000	\$210,000
Residential Audit	\$40,000	\$40,000	\$29,000	\$40,000
	\$399,109	\$500,000	\$438,659	\$600,000

* Proposed amount is based on total funds needed to rebate all installs in FY2017 to date.

Proposed Updates

- HVAC Rebate Change*
 - Current: \$600 per HVAC & \$700 per Heat Pump
 - Proposed: \$200 per 1.0 – 2.5 ton units & \$400 per 3.0 – 5.0 ton units

- Electric Vehicle Rebate Addition
 - Proposed: \$300 per Electric Vehicle Purchase

- 4 Coincident Peak & Spot Price Curtailment Removed

* Based on FY2017 applications, change will result in an estimated \$70,000 savings that could be used towards other energy efficiency rebates.



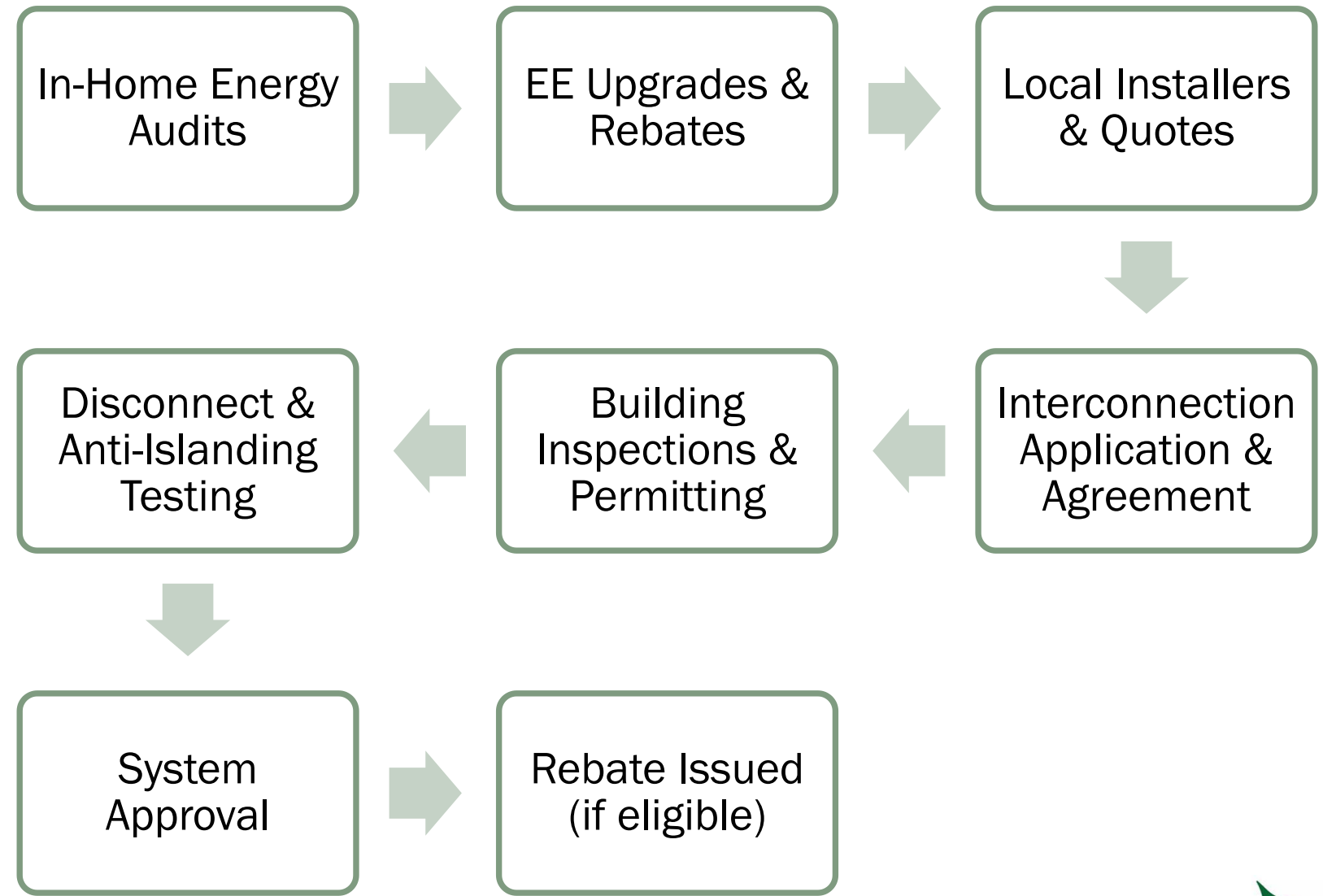
Distributed Generation Manual



Distributed Generation

- Definition: Any electrical generating facility or asset installed on the customer's side of the meter
- Commonly referred to as "DG"
- Can include: solar, wind, storage, gas/diesel generators
 - *Only renewable energy is bought back from customers under Schedule DGR*
- ALL DG that interconnects with DME grid, must go through interconnection process and procedures

DG Process



Distributed Generation: electrical generating facility i.e. solar, wind, storage, gas/diesel engines, etc.

DG Manual

- One Document
 - *Standards, Requirements, & Codes for all COD departments involved*
- One Location
 - *Reduce confusion & searching time*
- United Front
 - *Streamline application & approval process*

SolSmart Designation

- National program recognizing solar friendly communities
- Submitted application in January 2017
- Response in February 2017 – Incomplete Validation for lack of documentation
- NCTCOG working with City as a SolSmart Advisor
- Goal is to have a Bronze Designation by October 2017

Questions

