

NV Energy DSM Integration Energy Efficiency ~ Demand Response

SWEEP Workshop
November 13, 2015

Integrated Demand Side Management

ENERGY EFFICIENCY:
to reduce the amount of
energy required to provide
a product or service

DEMAND RESPONSE: a
dispatchable demand side
resource controlling customer
end-use appliances for the
purpose of peak load shaping.

**INTEGRATED DEMAND SIDE MANAGEMENT
(iDSM)**

(iDSM)

Types of Demand Response

Direct Load Control

- Load reduction enabled by devices that are directly controlled by the utility to turn on or off customer end-use loads

Price Responsive Load Control

- Load reduction that is achieved through the indirect control of customer end-use appliances based on a pricing signal sent by the utility

EE Programs Overview

Commercial Incentive

- Incentive program for commercial energy efficiency applications performed through new construction or retrofit
- Non-profit agency grants

Energy Smart Schools

- Incentive program targeted for school facilities to facilitate energy efficiency projects

Lighting

- Up-stream buy-down program to incentivize customers to use LED lighting

High Efficiency AC

- Duct test and seal
- Early replacement or air conditioning retrofit components
- HVAC tune ups

Pool Pump

- Incentive program for variable speed pool pumps

Refrigerator Recycling

- Incentive program to encourage recycling of less efficient refrigeration units

Energy Assessments

- Field energy assessments to aid customers in identifying demand side management opportunities

Home Energy Reports

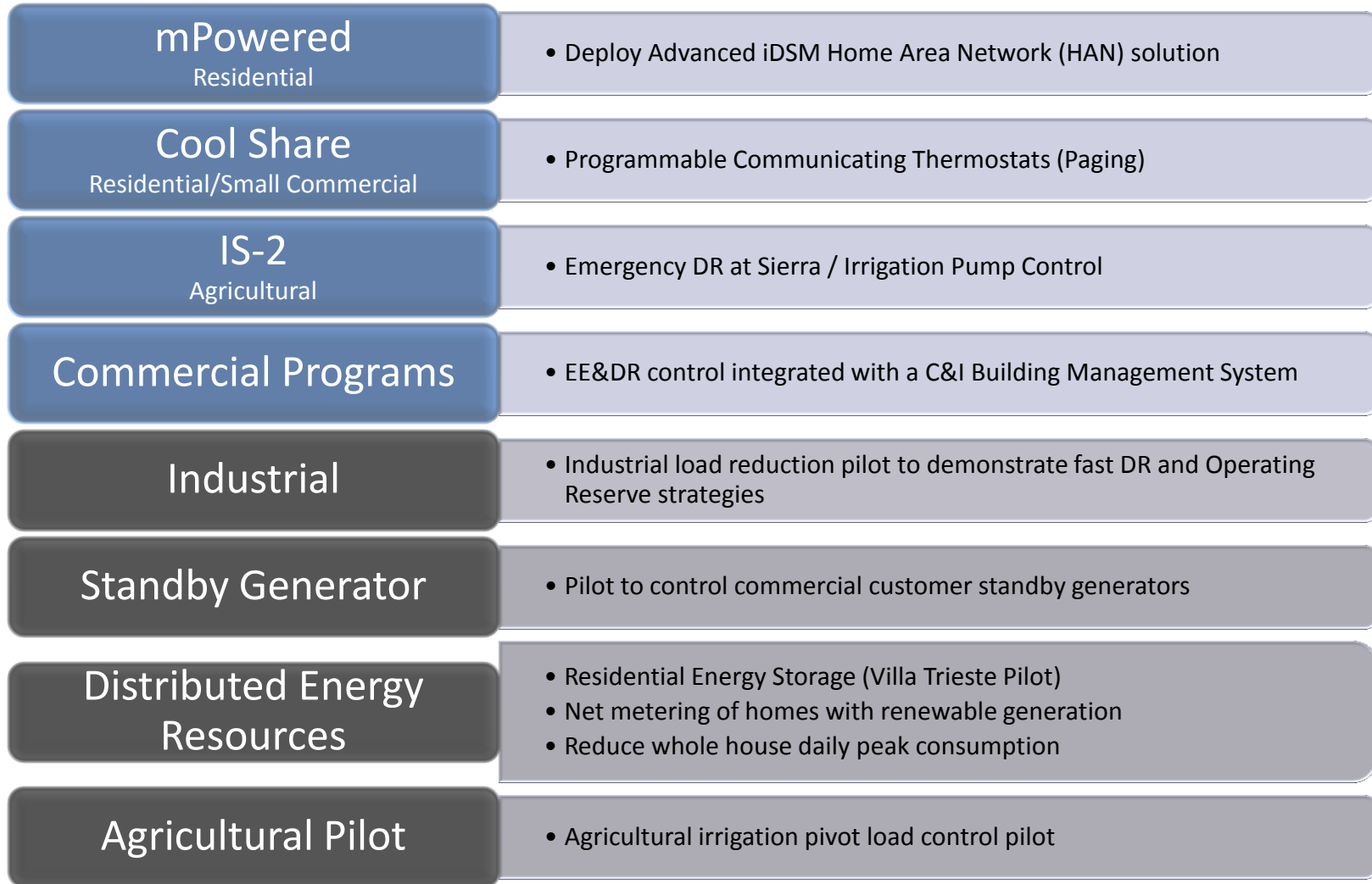
- Residential program providing energy information and energy tips and tricks

Energy Education

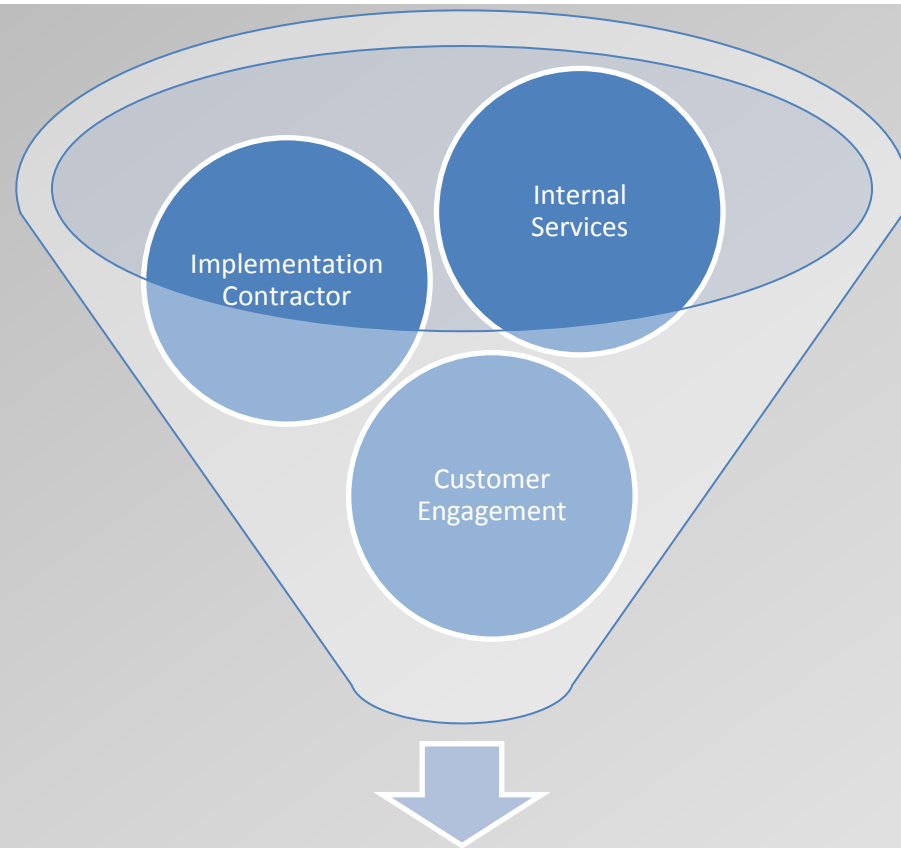
- A program to provide energy information through participation in community events

DR and DER Programs Overview

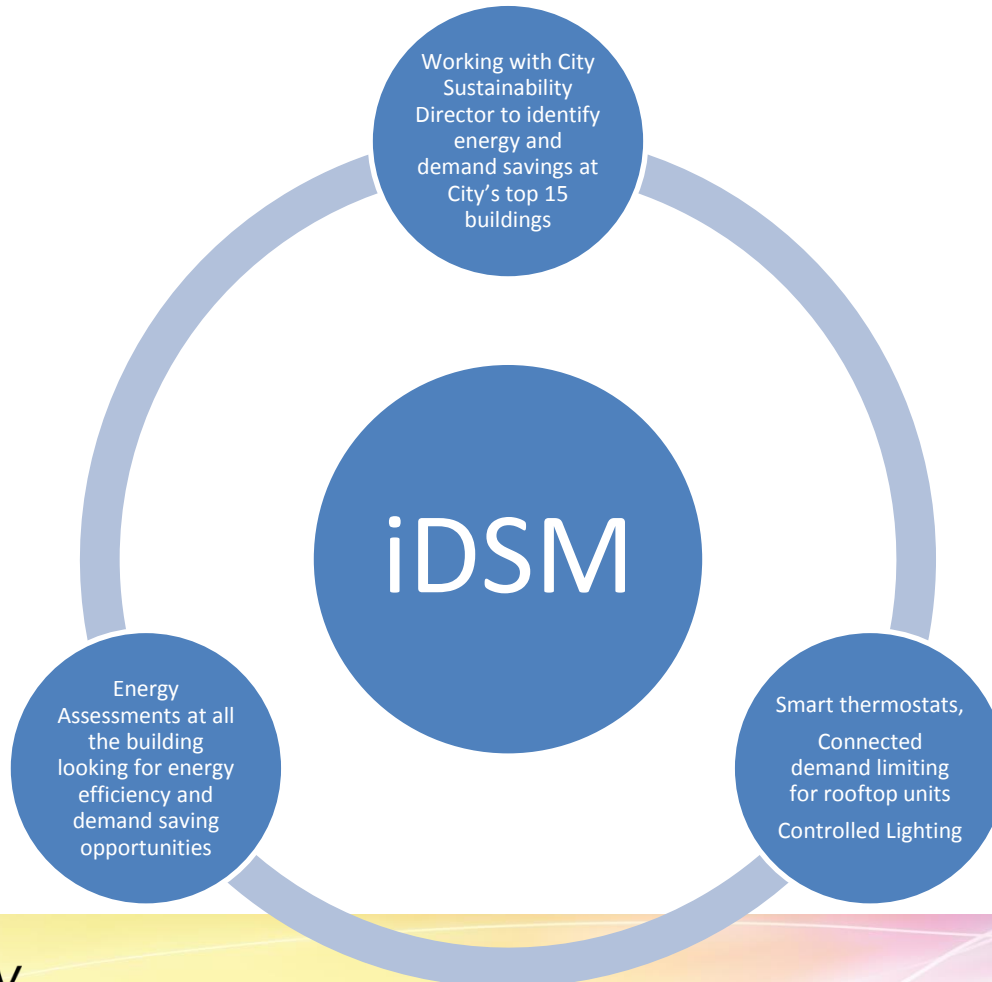
Distributed Energy Resources Portfolio



Total Available DR Capacity: ~ 200MW



Customer Offerings



Four primary groups will work as a team to deliver integrated packages of services to customers including elements of energy efficiency and demand response

