

WCEC Affiliates Forum

Jim McClendon
Walmart

18 May 2016



Formats & Footprint



Brazil



US



Mexico



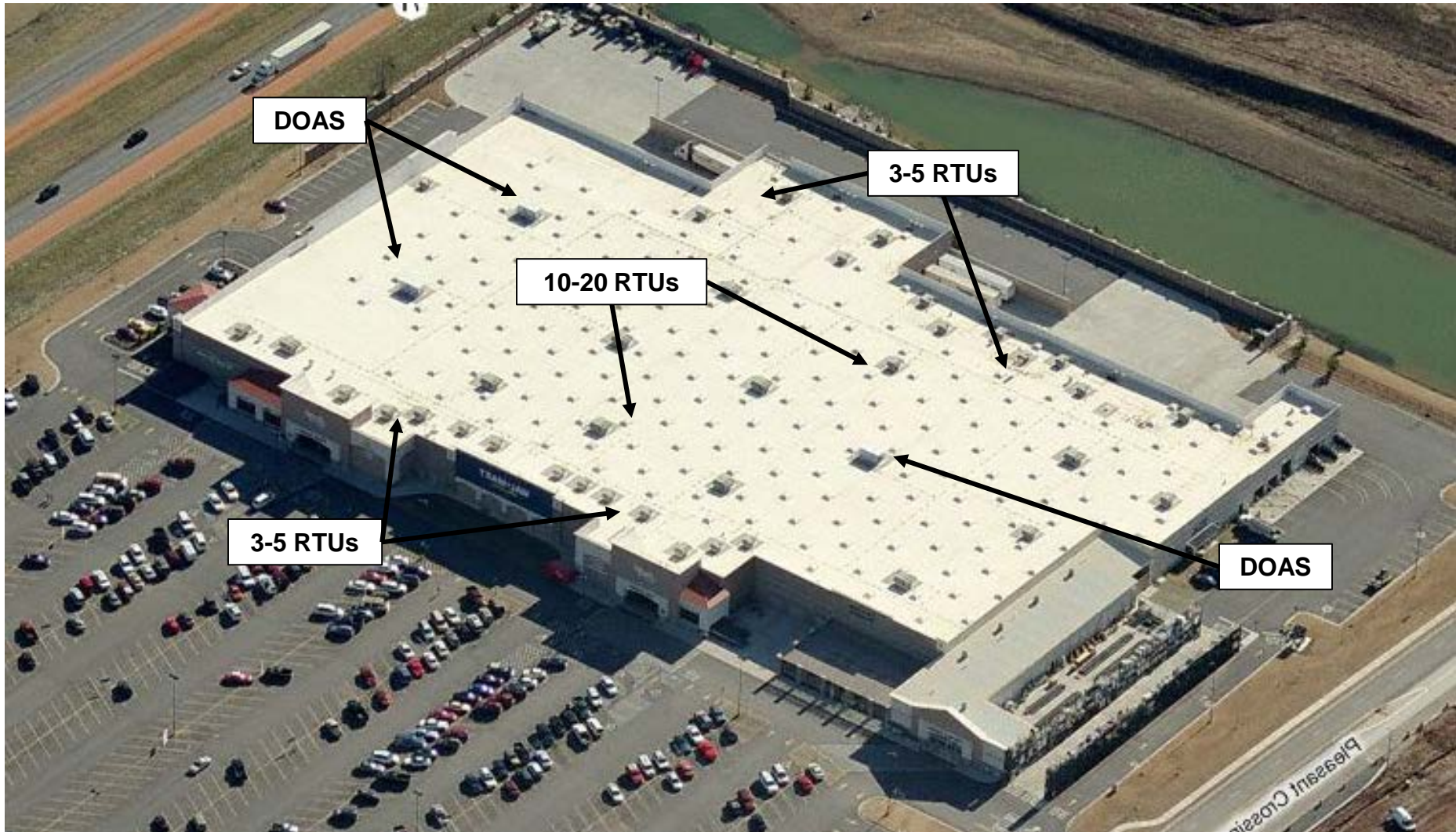
China

Quick Stats:
71 Banners
>1 Billion SF
>200 Million Cust/Wk
>2 Million Associates
>10,000 Stores/Clubs
27 Countries



UK

Formats & Footprint



Walmart's Aspirational Sustainability Goals



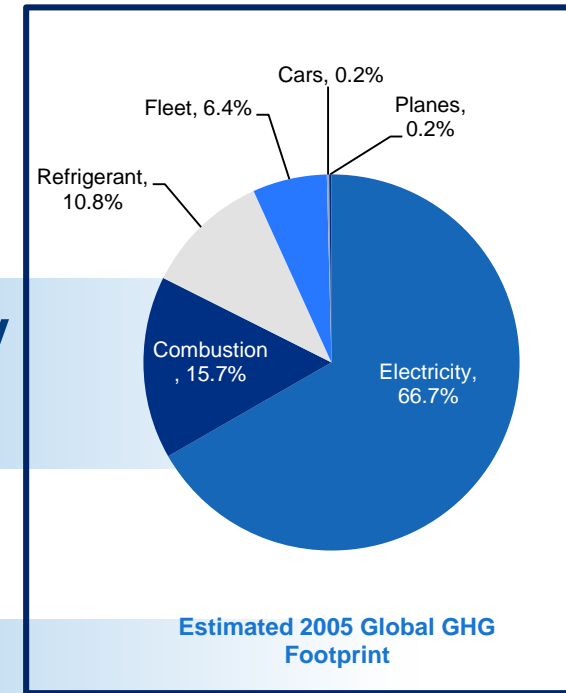
To be supplied 100% by renewable energy



To create zero waste



To sell products that sustain our resources and environment



Background Goal

2005 GHG Goal

'Reduce the greenhouse gases at our existing store, club and DC base around the world by 20% over the next 7 years'

Design and build a new prototype that is 20% more efficient and produces 25% fewer greenhouse gases than our 2005 prototype

On April 15, 2013 we announced two new corporate energy goals for 2020

Walmart is on the path to being supplied by 100% renewable energy.

We will take a two tiered approach by both increasing renewable energy usage and increasing energy efficiency with the following commitments:

Commitment 1: scale renewables



Public Goal

Drive the production or procurement of 7 billion kWh of renewable energy globally by December 31, 2020—an increase of over 600% versus 2010

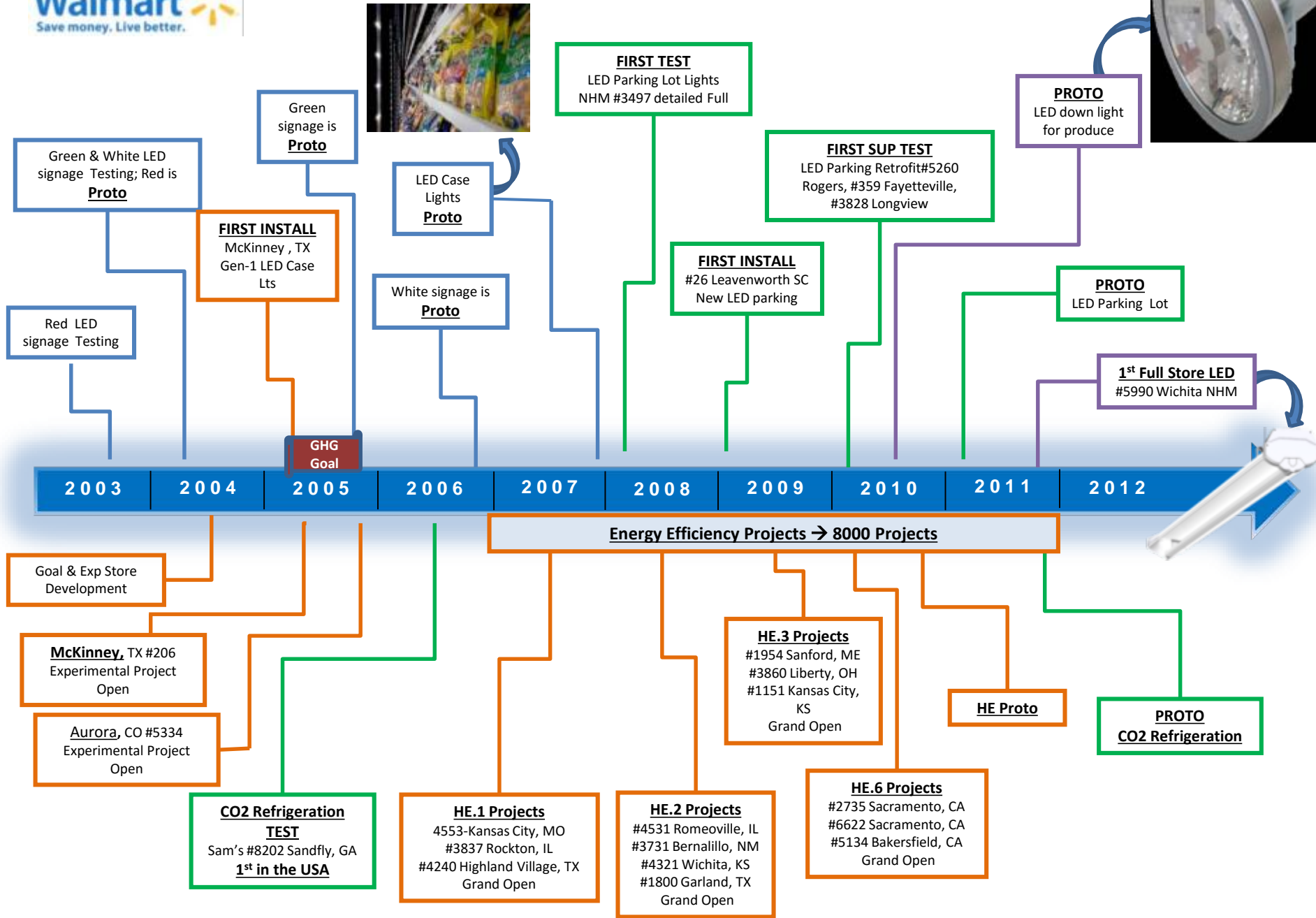
Commitment 2: accelerate efficiency



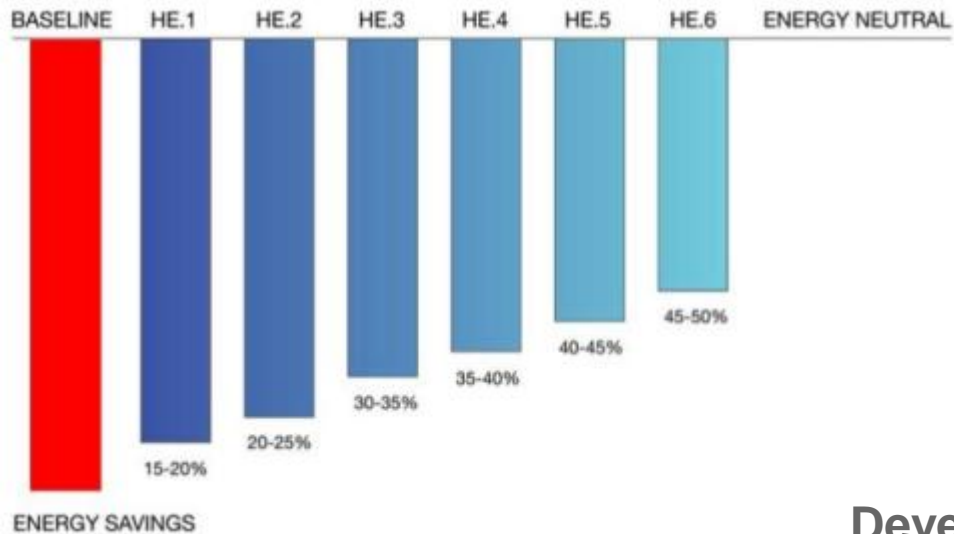
Public Goal

By December 31, 2020, reduce the kwh/sq.ft. energy intensity required to power our buildings around the world by 20% versus 2010

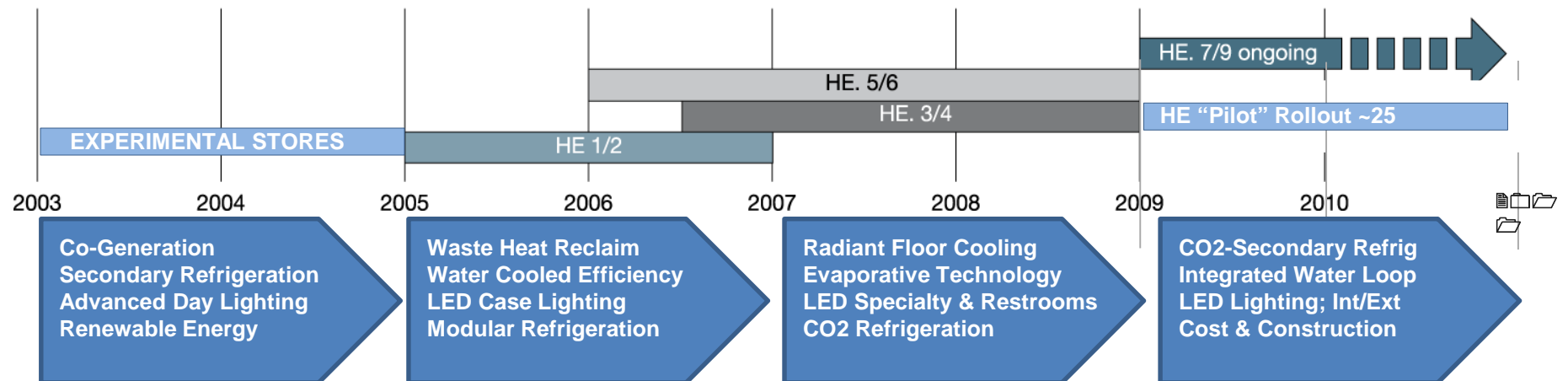
DEVELOPMENT TIMELINE



HIGH EFFICIENCY (HE) STORES



Develop **“prototypical”** systems design to achieve incremental target energy savings for each HE-version





Two Conventional Units:

- 2 fans @ 30 HP
- 2 pumps @ 3 HP
- 10-ft high
- 25,000 lbs
- 900 Gal sump
- 20% Redundancy, 2-fan failure



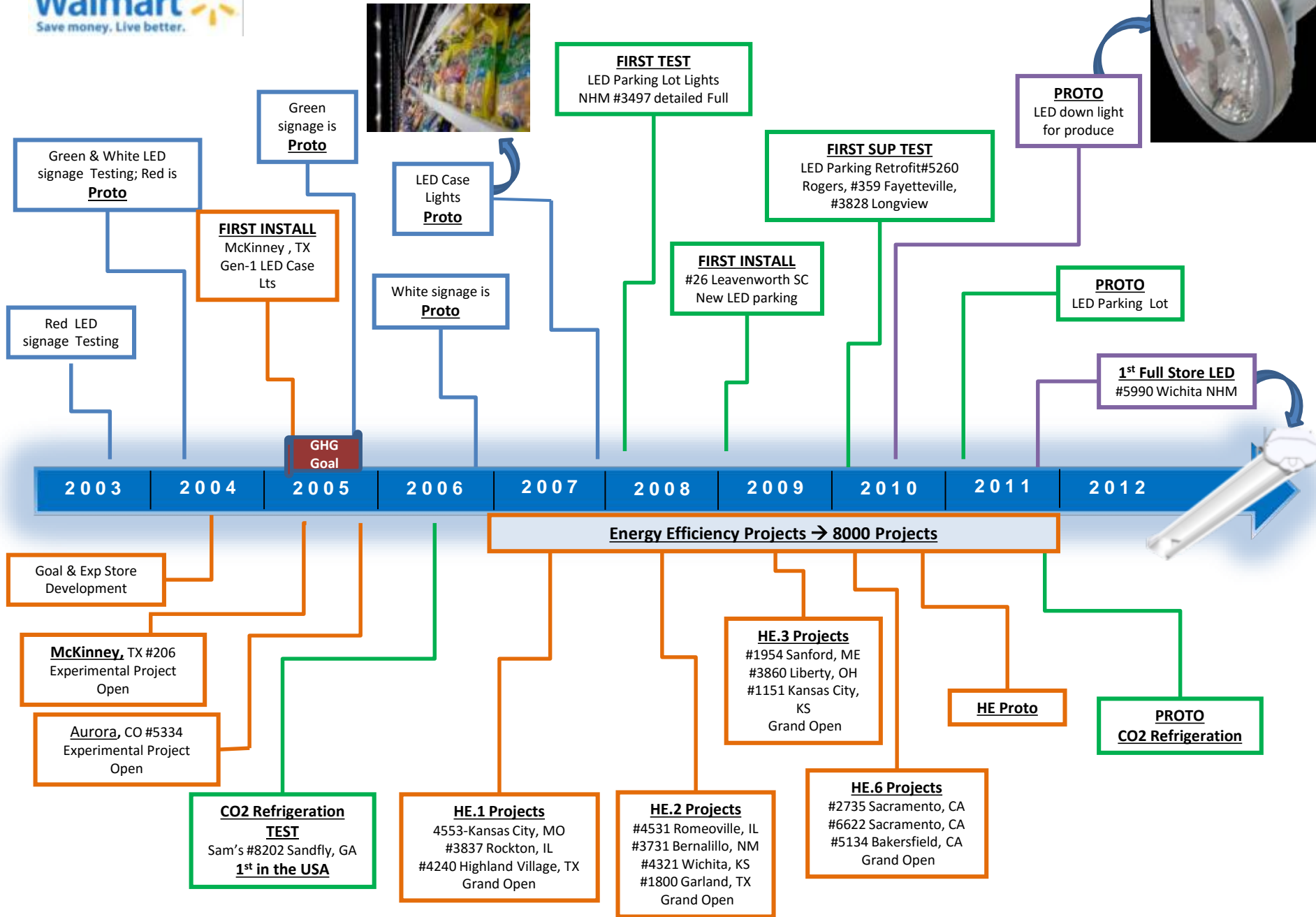
Two Wet/Dry Units:

- 16 fans @ 1 HP
- 4 pumps @ ¾ HP
- 6-ft high
- 15,000 lbs
- 180 gal sump
- 98% Redundancy, 2-fan failure

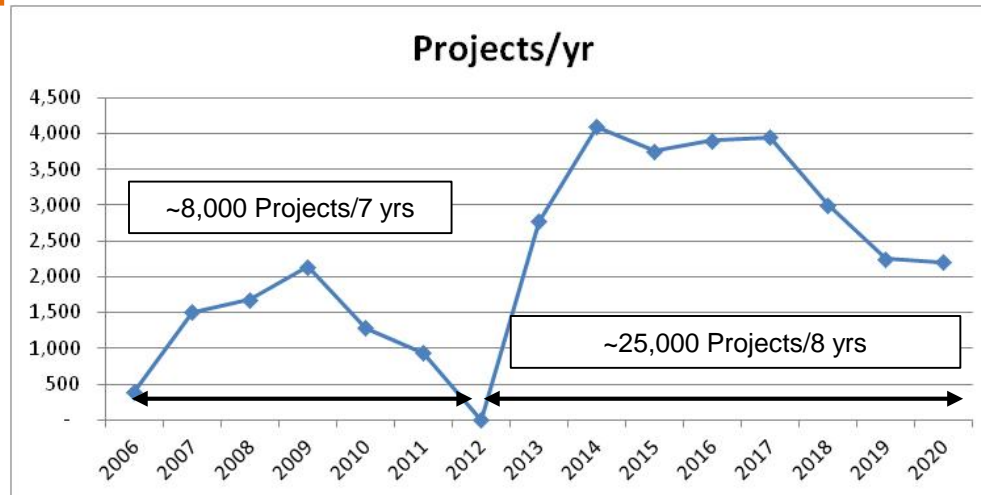
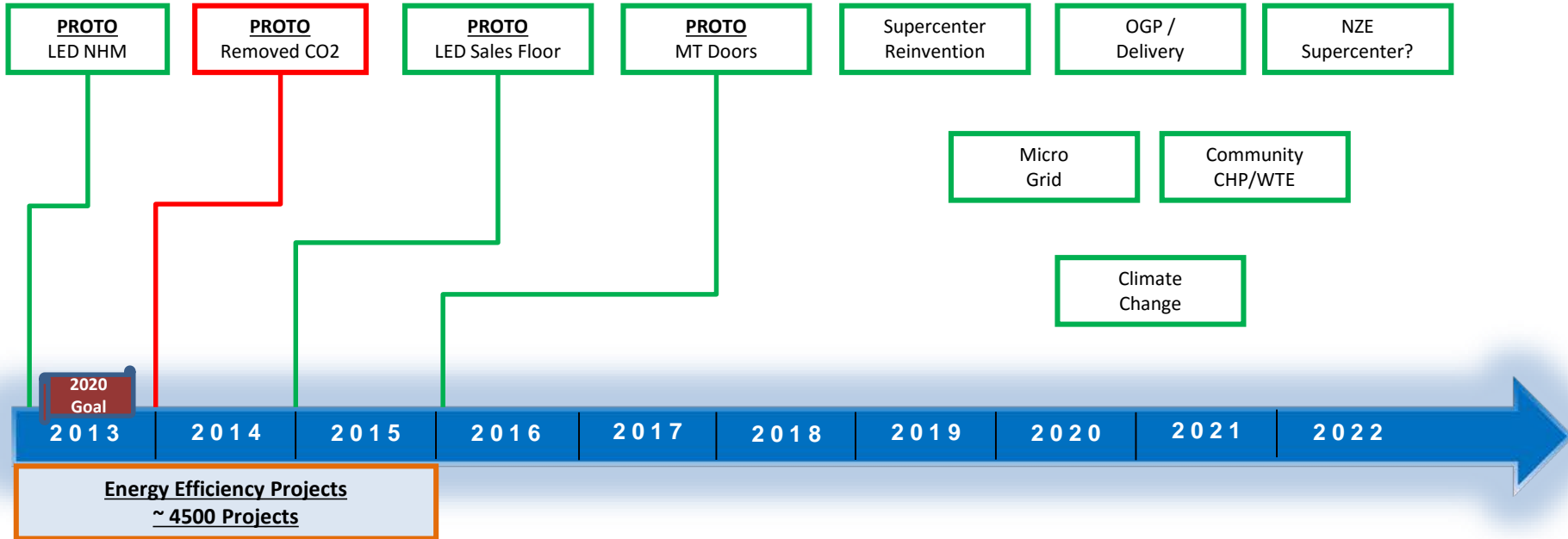




DEVELOPMENT TIMELINE



DEVELOPMENT TIMELINE



Thank You

