



ISSUE BRIEF: ENVIRONMENT  
2013-2014 HIGHLIGHTS



## GO GREEN OVERVIEW

2013 - 2014 was a period of tremendous growth and activity for Time Warner Cable's Go Green initiative. Most notably,

**we exceeded the goal set in 2012 to reduce our carbon emissions by 15 percent on an intensity basis by the end of 2014. We surpassed our goal, with a 38 percent reduction in our carbon intensity as compared to our 2012 baseline.**



We also intensified our efforts to promote progress within the cable industry to support a more sustainable future, through the development of standards and the sharing of best practices. TWC "Go Green" is aligned with several industry commitments, including the Society of Cable Telecommunications Engineers (SCTE) Energy 2020 initiative. Energy 2020 aims to provide cable system operators with energy management standards, technological innovation, organizational solutions and training that help the cable industry meet its sustainability goals.

Moreover, we made great strides in our three focus areas:

1. Energy efficiency
2. Waste management
3. Supply chain

## Energy Efficiency

With a business of our size and a footprint spanning from Maine to Hawaii, we put a lot of focus on managing the energy it takes to run our operations. We operate nearly 2,000 facilities, including data centers and office space, and more than 20,000 active vehicles. Leadership in Energy and Environmental Design (LEED) certification remains a priority for facilities and data centers.

We added three new LEED certifications to our portfolio, including a data center, National Center East in Charlotte, NC, which is certified as Silver. We are also pursuing LEED certification for our newly built data center, National Center West in Peakview, CO. In 2014, we achieved our goal of reducing cooling power consumption by 5% across National, Market, and Business Class Data Centers where sustainability projects were implemented. In order to increase cooling efficiency, we leverage



*National Data Center East in Charlotte, NC*

industry standards to raise our set points and implement innovative technologies where applicable, such as indirect evaporated cooling coupled with heat pipe technology.



### Energy Efficiency (CONTINUED)

TWC values alternative energy and continues to investigate viable technologies that support greater energy efficiency, including trialing geothermal heat pumps and researching hydrogen fuel cell technology for primary and standby power. Additionally, we installed a 500kw solar photovoltaic system on the roof of our National Center East in Charlotte and have several other solar projects underway in Hawaii.

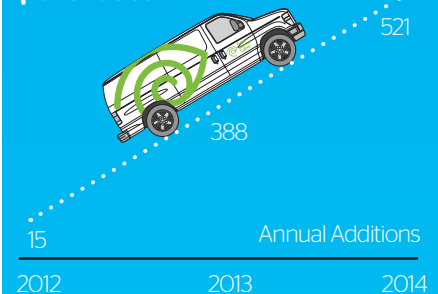
In September 2014, we finalized our Real Estate and Facilities guidelines based on the US Green ENERGY STAR® standards. Utilization of workplace guidelines assists the company in communicating standards to external vendors and internal operations so that design and construction sustainability goals are consistently implemented and applied. The guidelines encompass requirements related to construction processes, furniture, lighting, plumbing, equipment, materials, and the handling of construction waste.

In recent years, TWC has taken action to utilize more fuel efficient vehicles. During 2013-2014, we:

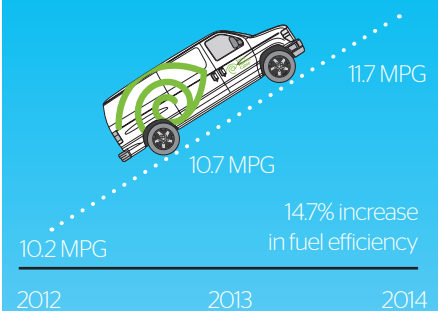
- ⌚ Replaced service vehicles with Ford Transit and Ford Transit Connect vehicles that are capable of achieving a 40 percent fuel performance improvement over replaced fleet.
- ⌚ Made the Ford Fusion Hybrid the standard TWC passenger car, which delivers a 33 percent increase in fuel efficiency over the current model vehicle.
- ⌚ Added more lightweight body vehicles to improve our MPG, which is approximately two percent for every 100 pounds we reduce. We also shift to diesel power whenever possible.
- ⌚ Increased the number of Electric Power Take Off (EPTO) devices within our fleet of bucket trucks, from 60 to 120. EPTO devices reduce idle time and allow our vehicles to shut down when the bucket is in use.



#### High Efficiency vehicle purchases



#### TWC Fleet Average MPG



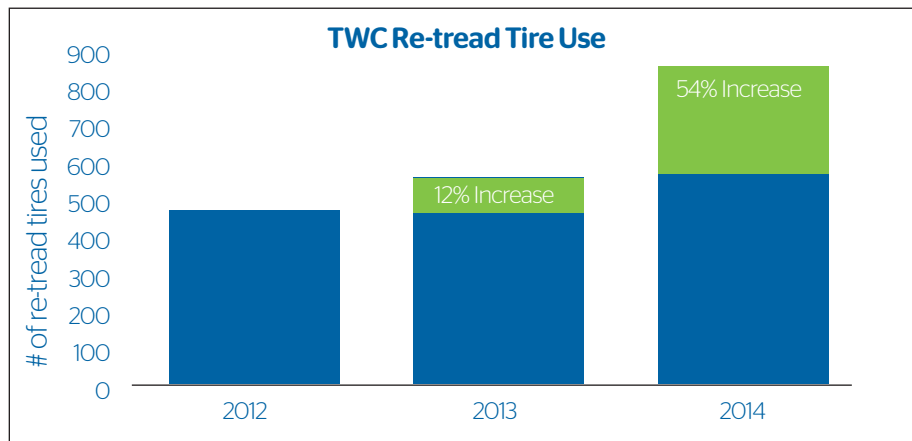
In August 2014, TWC joined the US Department of Energy's (DOE) Clean Cities' National Clean Fleet Partnership. As a partner, TWC receives technical services, data, and assistance to develop a petroleum reduction plan and increase efficiencies. It also gives us access to tools and resources, as we investigate alternative fuels and advanced vehicles.

### Waste Management

TWC is in the process of standardizing waste management practices and reducing waste management spending to support the proper handling of all aspects of garbage, recycling and equipment services. We aim to “right-size,” looking for instances where sites are being over-serviced. By auditing our locations and identifying these instances,

we will reduce the number of trips haulers make to our locations to limit carbon emissions, reduce cost, and encourage increased recycling.

We have increased our use of re-tread tires, which utilize about one third of the oil required to manufacture a new tire. By using this process, we extend the life of existing tires and dispose fewer of them over time.



We use pre-approved forward auction vendors to help us minimize landfill impact tied to cable boxes and other small network equipment. By using this process from 2013 – 2014, we auctioned off the following Customer Premise Equipment (CPE) units:

Video CPE units  
3.4 million

Data & Voice CPE units  
2.8 million

### Promoting Sustainability in our Supply Chain

In 2014, over 50 percent of all TWC suppliers were screened using environmental criteria; we are currently working on a strategy to further increase this number by developing specific RFP environmental questions based on vendor type.

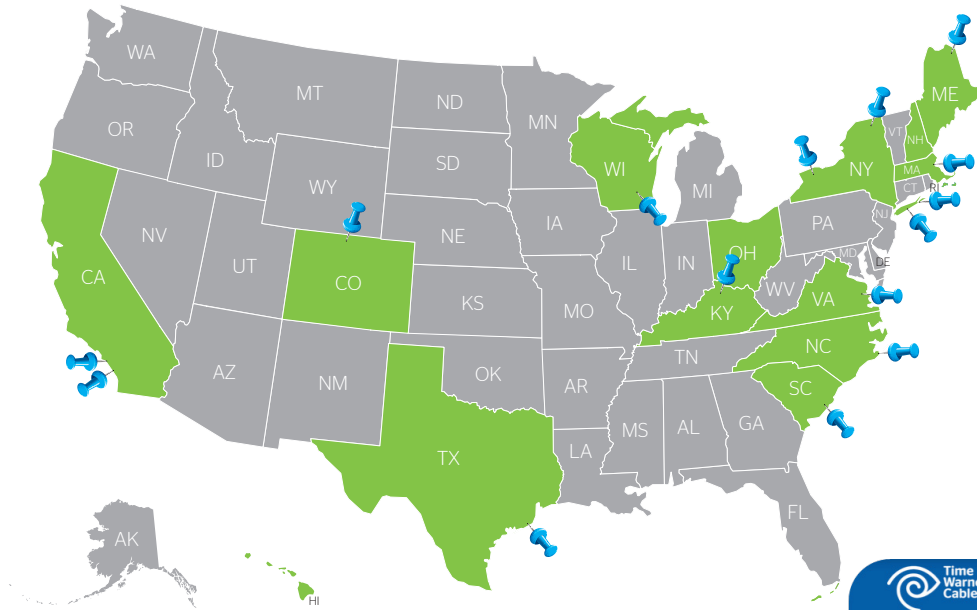
TWC participates in a Green spending program for office supplies, launched in July 2014. On a quarterly basis, TWC receives a report highlighting green spend and uses this data to analyze opportunities. **We have achieved the goal of at least 20 percent of our total office supply spend on green products and we aim to increase our**

**green purchasing annually moving forward.**

To support an overall industry-wide commitment to improvement, we joined with 14 other cable, satellite, and telephone companies to put into effect the voluntary five-year Set-Top Box Energy Conservation Agreement. This agreement, executed in late 2012, is expected to result in annual residential electricity savings across the Multichannel Video Programming Distributor (MVPD) industry of \$1.5 billion by the end of 2017.

**TWC has achieved the goal of having at least 90 percent of all new set-top boxes deployed meet US EPA ENERGY STAR 3.0 efficiency standards.** We have agreed to provide confidential set-top box performance data to an independent administrator who will aggregate and prepare auditable annual reports on the energy performance of new boxes. TWC will use these reports to: track progress regarding reductions in energy, cost, and emissions intensity, and communicate these savings to customers.

## 2013-2014 HIGHLIGHTS



### Our employee Green Teams focus on three main areas:

1. Raising Environmental Awareness among employees
2. Helping create Operational Efficiencies
3. Supporting local Environmental Organizations

## Employee Green Teams

TWC's employees recognize the importance of environmental issues. In April 2014, TWC introduced a new resource for employees who want to get more involved in the company's Go Green efforts—the Green Team Playbook. The Playbook is a step-by-step guide to assist TWC employees in forming their own local Green Teams. The Playbook was developed with a non-profit partner, the Center for Climate & Energy Solutions (C2ES).

Since the launch of the Playbook, Green Teams have grown from three to **15 teams**, all rallying around a common interest in making TWC and the communities where we do business more sustainable. See the map for Green Team locations.



The teams helped to promote our new Carbon Calculator tool, another employee resource we developed in partnership with C2ES. The calculator gives employees the opportunity to find out how much carbon dioxide they generate in their personal lives each year and suggests energy-saving steps to reduce their impact. During the seven-week Carbon Calculator campaign, TWC employees pledged a reduction in CO<sub>2</sub> emissions of 2.6 million pounds.

