What does it mean to be ‘net zero’?

Net emissions = gross emissions – carbon removal

*Net zero is the point at which net emissions = zero*

Avoid/reduce emissions through the following steps and technologies:

1. Maximize efficiency, conservation and electrification in buildings and transportation
2. Increase renewable energy resources
3. ONLY AS A LAST RESORT - Balance remaining emissions through forest offsets

What do we do at AMC?

AMC is a diverse organization –

• Manage 40+ recreational facilities
• Maintain ~2,000 miles of trail across the region
• Offer recreational and environmental education programs
• 12 chapters from Maine to Washington, D.C.
• Own/manage 75,000 acres of forest land in Maine
• Engage in research, public policy, and environmental advocacy efforts
What’s included in AMC’s Net Zero commitment?

- **Upstream emissions**
  - Purchased electricity
  - Purchased goods & services
  - Fuel & energy related activity
  - Transportation & distribution

- **Corporate emissions**
  - Owned facilities
  - Business travel
  - Leased assets
  - Home office space

- **Owned vehicles**
  - Organized group trips
  - Employee commuting
  - Guest travel to AMC

- **Downstream emissions**
  - Transportation & distribution of products
  - Retail
  - Investments
  - End-of-life treatment of sold products

**Scope 1 emissions**

**Scope 2 emissions**

**Scope 3 emissions**

Source: GHG Protocol Corporate Reporting Standard
AMC historical emission trends
AMC emissions trajectory – what’s needed to reach net zero

- Emissions have increased by 8% since 2010
- Must reduce by 6% annually through 2030
- Must reduce by 3% annually between 2030-2050
AMC’s reporting boundary emissions 2019

- Emissions from buildings makes up ~71% of AMC’s total carbon footprint (electricity 12% + building fuels 59%)

Net emissions in 2019 = 1,554 tonnes CO$_2$e
Building fuel emissions 2019

- Highland Center is AMC’s largest and most expensive heating/cooling user

Total energy cost = $262,929
Total emissions = 918 tonnes CO$_2$e
Fleet & helicopter emissions 2019

- Gasoline use in AMC-owned vehicles is our largest emitting source from transportation-related activities.
Electricity emissions 2019

- City Square was AMC’s largest and most expensive electricity user

**Total energy cost = $218,734**

**Total emissions = 193 tonnes CO\(_2\)e**
Staff business travel emissions 2019

- Vehicles are AMC’s largest and most expensive emitting source.
Scope 3 sources of emissions make up over 85% of our footprint – but they exist outside the reporting boundary.
Scope 3 emissions breakdown - 2019

- Highest emitting sources
  - Guest travel
  - Goods and services