



Maryland
Department of
the Environment

Investments Called for in Maryland's Climate Pollution Reduction Plan

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Mitigation Working Group

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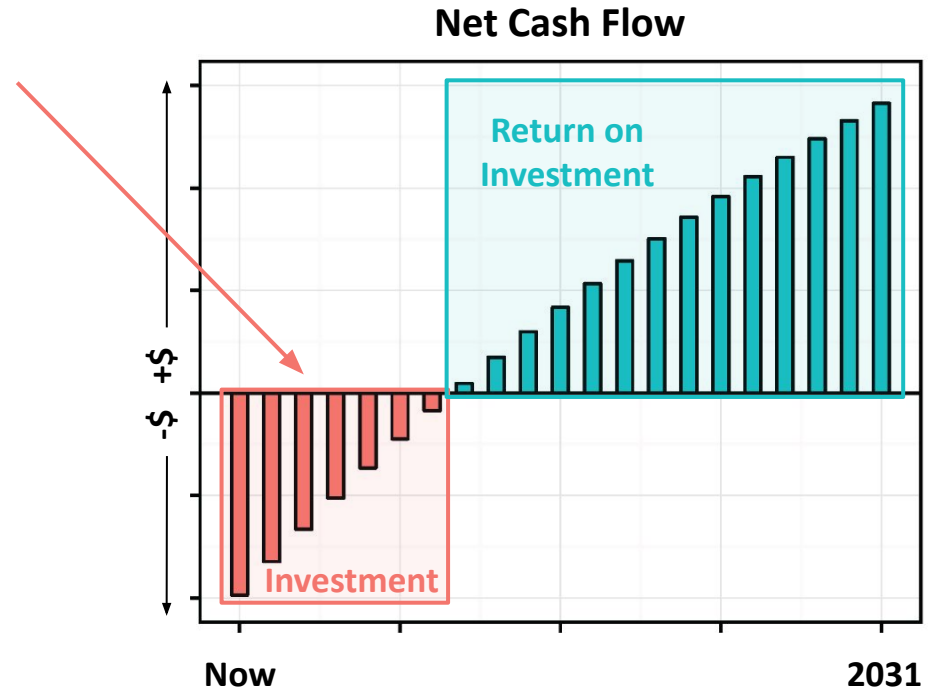


New Investment Needed through 2031

Billions of dollars of investment is needed this decade to achieve Maryland's GHG reduction goal by 2031

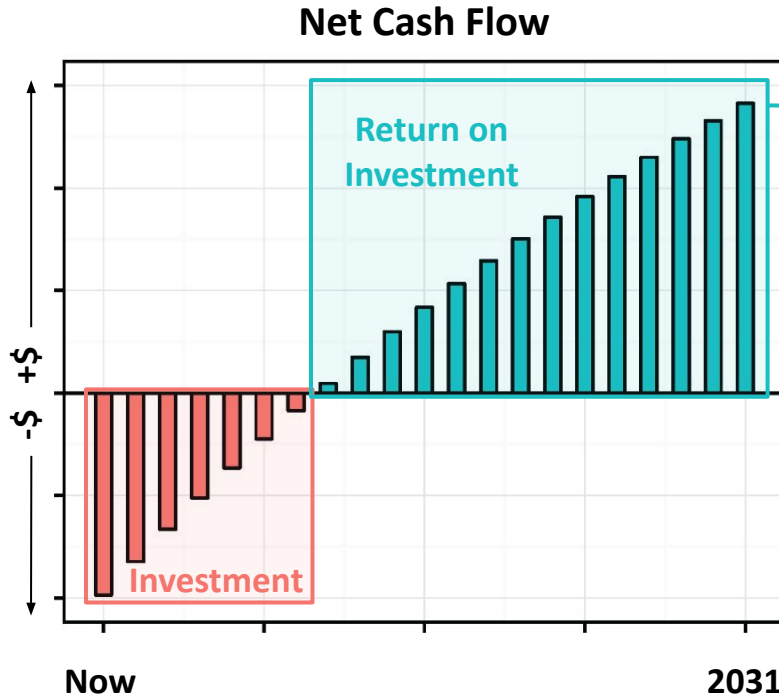
Investment in:

- Energy efficiency
- Building electrification
- Electric vehicles
- Charging infrastructure
- Renewable energy
- Alternative transportation





Return on Investment through 2031



- Lower energy costs
- +27,000 jobs
- +\$321 million in health benefits
- +\$2.5 billion in personal income
- +\$5.3 billion in Maryland GDP
- +Keeping Earth habitable



Additional \$1 Billion in Public Funding

- Maryland's Climate Pollution Reduction Plan calls for an additional \$1 billion annually in public funding for GHG mitigation measures (not including investments needed to implement MDOT's climate plan)
- Basis for the \$1B request:
 - MWG/MCCC recommendation for equitable EV incentives
 - Building Energy Transition Implementation Task Force analysis
 - Incentives for industry, support for public infrastructure projects
 - Public funding levels in other climate-leading states
 - Public-to-private investment leveraging factors



Potential Funding Sources

Federal grants and loans - e.g. MDE applied for EPA funding for BEPS

Green revenue bonds - Jump-start investments before revenue from any of the funding sources listed below would be available

Cap-and-invest program - Require the fossil fuel industry to buy emissions allowances for the emissions they produce and reduce emissions over time

Carbon fee - Require the fossil fuel industry to pay a fixed fee rate for emissions

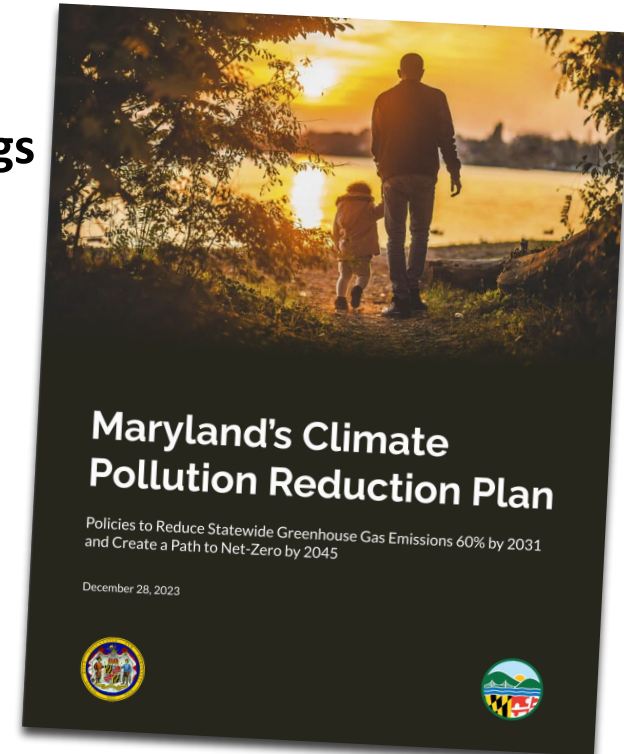
Hazardous substance fee - Require the fossil fuel industry to pay a fee for fossil fuels transported in the state

Fees on fuel-burning vehicles - If registration fees increase on EVs, then registration fees could increase by a comparable amount on fuel-burning vehicles



Planned Investments of Public Funding

- Home Energy Efficiency and Electrification
- Commercial, Multifamily, and Institutional Buildings
- Electric Vehicles and Charging Equipment
- Industry, Public Infrastructure, and Nature-Based Solutions
- Workforce Development
- Consumer Education Campaign
- Maryland Clean Buildings Hub





Specified New Investments

- **Home Energy Efficiency and Electrification**

- \$14,000 for electrification projects (HVAC, water heaters, etc.) covering:
 - 100% of project costs for low- and moderate-income households
 - 50% of project costs for middle-income households

- **Electric Vehicles**

- \$2,500 new/\$1,000 used EV incentive for individuals who qualify for the federal new/used EV incentives
- Additional \$5,000 new/\$3,000 used EV incentive for low- and moderate-income households and gasoline “superusers”



Lower Energy Costs



The average Maryland household saves **\$2,600** annually by using heat pumps and EVs instead of gas appliances and gas cars

Savings increase to **\$4,000** annually for households that switch from oil or propane to heat pumps and EVs



Unspecified New Investments

- **Commercial, Multifamily, and Institutional Buildings**
- **Charging Equipment**
- **Industry, Public Infrastructure, and Nature-Based Solutions**
- **Workforce Development**
- **Consumer Education Campaign**
- **Maryland Clean Buildings Hub**