# Economic Implications of the Climate Provisions in the Inflation Reduction Act

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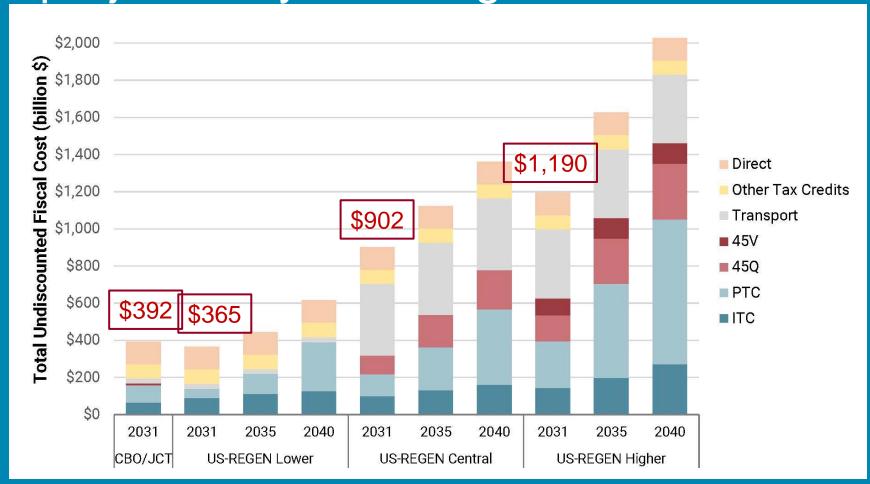


#### 5 points in 6 pictures

#### Impacts on:

- Fiscal expenditures
- Emissions
- Efficiency
- EV adoption
- Macroeconomy

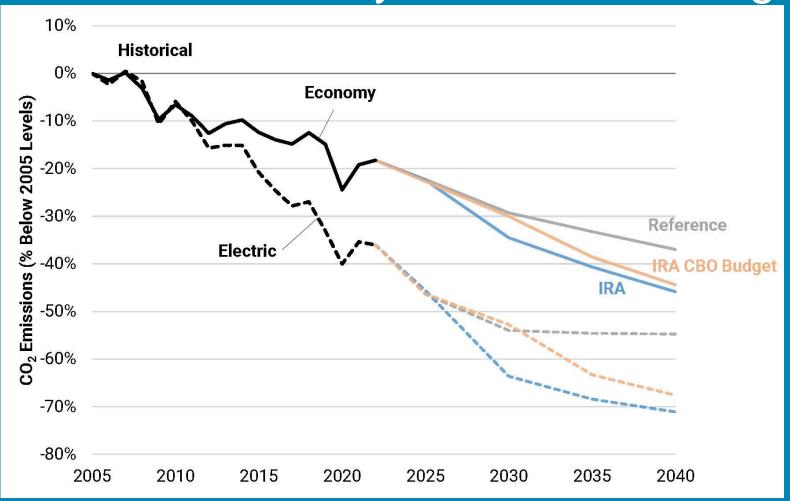
## 1. Fiscal costs are uncertain and could be higher than projected by the US government



#### Key Differences between US-REGEN and CBO

	CBO/JCT	US-REGEN	Difference	
EV Credits	\$14 B	\$387 B	\$373 B	
Carbon Capture and Sequestration (45Q)	3	100	97	
PTC/ITC	173	218	45	
Subtotal (3 items)	189	704	515	
TOTAL (all climate)	\$392 B	\$902 B	\$510 B	

2. Projected emissions will be lower under IRA, but more reductions necessary to achieve U.S. goals



# 3. IRA investments are highly cost-effective, but more expensive than carbon pricing

		IRA Scenario		Carbon Tax		Difference (p.p.)	
Metric (units)	2021	2030	2035	2030	2035	2030	2035
Generation Share (%)							
Coal	22%	11%	8%	7%	4%	-4%	-5%
Coal CCS	0%	3%	3%	0%	0%	-3%	-3%
Gas	39%	20%	18%	35%	34%	15%	17%
$Gas\ CCS$	0%	0%	0%	0%	0%	0%	0%
Other	2%	9%	11%	7%	8%	-2%	-3%
Nuclear	19%	17%	14%	17%	16%	0%	2%
Hydro	6%	6%	6%	6%	6%	0%	0%
Wind and Solar	13%	33%	41%	28%	32%	-6%	-9%
$CO_2$ (% Drop from 2005)	35%	64%	68%	64%	68%	0%	0%
Generation Price (\$/MWh)	\$64	\$56	\$52	\$65	\$62	16%	20%
Abatement Cost (\$/t-CO <sub>2</sub> )	N/A	\$45-61	\$45-61	\$10	\$10	-85%	-82%

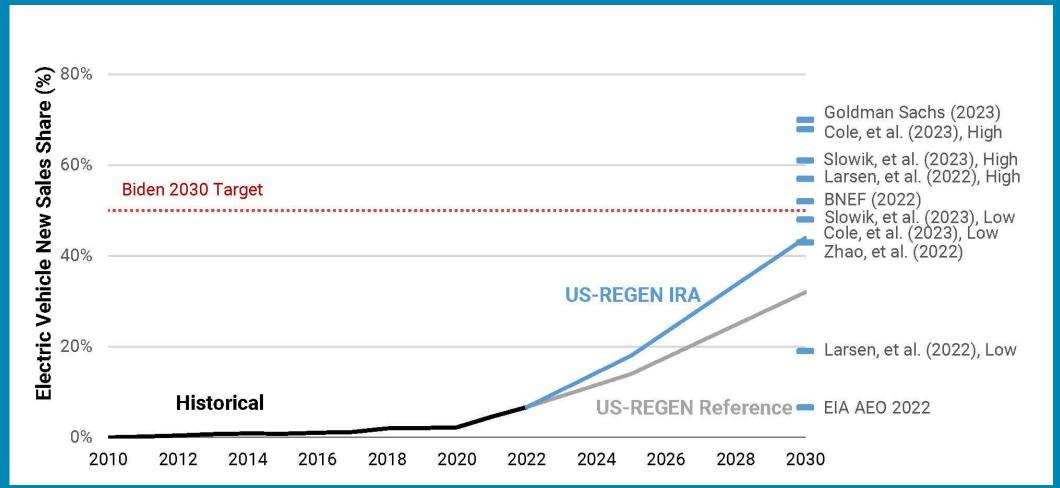
CO<sub>2</sub> price relative to IRA:

Less coal

More gas

Less wind and solar

### 4. Many EVs would have been purchased even without IRA



5. IRA will not have big impacts on the macroeconomy, but the macroeconomy could impact IRA

