



# PCAP Directory Summary Tables

[Return to the PCAP Directory Home Page <https://epa.gov/inflation-reduction-act/priority-climate-action-plan-pcap-directory>](https://epa.gov/inflation-reduction-act/priority-climate-action-plan-pcap-directory)

The summary tables on this page present data patterns and trends in the PCAP Directory’s searchable tables (e.g., most common measure types, sectors with the largest number of measures, most widely used quantification tools or approaches, most common LIDAC engagement approaches, etc.). These summary tables are grouped into sections corresponding to the searchable tables from which their data is drawn. Links to both the corresponding searchable tables and underlying data sets are provided at the top of each section.

## On this page:

- [GHG Inventories Summary Tables](#)
- [GHG Reduction Measures Summary Tables](#)
- [Measure Types by Sectors](#)
- [LIDAC Benefits Summary Tables](#)
- [Co-Pollutant Benefits Summary Tables](#)

## GHG Inventories Summary Tables

The following summary tables are based on PCAP data collected from 211 state, Metropolitan Statistical Area (MSA), Tribal, and territorial (T/T) PCAPs submitted under EPA’s Climate Pollution Reduction Grants Program <https://epa.gov/inflation-reduction-act/climate-pollution-reduction-grants> and presented in the GHG Inventories Searchable Table. [Click here for a complete list of tool names that appear in the tables. <https://epa.gov/inflation-reduction-act/select-approaches-and-measure-types>](https://epa.gov/inflation-reduction-act/select-approaches-and-measure-types) Explore the GHG Inventories Searchable table <https://epa.gov/inflation-reduction-act/ghg-inventories-searchable-table> here. Download the underlying data <https://epa.gov/inflation-reduction-act/priority-climate-action-plan-directory#download> here.

### GHG Inventory Coverage by Sector and Jurisdictional Level

Sector	State	MSA	T/T	All	State	MSA	T/T	All
Electricity	46	63	80	189	98%	80%	95%	90%
Commercial and Residential Buildings	46	72	79	197	98%	91%	94%	93%
Industry	45	61	16	122	96%	77%	19%	58%
Transportation	46	79	71	196	98%	100%	85%	93%
Waste and materials management	39	77	61	177	83%	97%	73%	84%
Agriculture	43	49	34	126	91%	62%	40%	60%
Natural and Working Lands	38	37	40	115	81%	47%	48%	55%
All sectors	31	21	5	57	66%	27%	6%	27%

Sector	State	MSA	T/T	All	State	MSA	T/T	All
All sectors (either Agriculture or Natural and Working Lands)	34	37	6	77	72%	47%	7%	36%
Total PCAPs Reviewed	47	79	85	211	22%	37%	40%	100%

## GHG Inventory Coverage by Gas and Jurisdictional Level

Sector	State	MSA	T/T	All	State	MSA	T/T	All
CO <sub>2</sub>	45	67	71	183	96%	85%	85%	87%
CH <sub>4</sub>	45	64	67	176	96%	81%	80%	83%
N <sub>2</sub> O	45	63	69	177	96%	80%	82%	84%
SF <sub>6</sub>	43	20	7	70	91%	25%	8%	33%
NF <sub>3</sub>	36	14	3	53	77%	18%	4%	25%
PFCs	42	16	7	65	89%	20%	8%	31%
HFCs	44	20	8	72	94%	25%	10%	34%
All gases (excluding NF <sub>3</sub> )	42	15	6	63	89%	19%	7%	30%
Total PCAPs Reviewed	47	79	85	211	22%	37%	40%	100%

## GHG Inventory Quantification Tool Used by States

Tool Name	Count	Percent
EPA SIT	33	70%
EPA GHG Inventory	19	40%
EPA MOVES	5	11%
EPA FLIGHT	3	6%
Custom-built tool	3	6%
EPA GHGRP	3	6%
NY Open Data Portal	1	2%
ICLEI ClearPath	1	2%
EPA PT	1	2%
EPA NEI	1	2%

Click here for a complete list of tool names identified in EPA's review of PCAPs. <<https://epa.gov/inflation-reduction-act/select-approaches-and-measure-types>>

## GHG Inventory Quantification Tool Used by MSAs

Tool Name	Count	Percent
EPA FLIGHT	24	30%
EPA LGGIT	21	27%
ICLEI ClearPath	19	24%
EPA MOVES	14	18%
Custom-built tool	14	18%
SLOPE	10	13%
EPA SIT	9	11%
Emission factor analysis	6	8%
EPA NEI	6	8%
CIRIS	3	4%
GPC	3	4%
CARB EMFAC	3	4%
FAA AEDT	3	4%
ICLEI LEARN	3	4%

Click here for a complete list of tool names identified in EPA's review of PCAPs. <<https://epa.gov/inflation-reduction-act/select-approaches-and-measure-types>>

## GHG Inventory Quantification Tool Used by Tribes and Territories

Tool Name	Count	Percent
EPA TGIT	70	82%
Emission factor analysis	17	20%
EPA WARM	12	14%
Custom-built tool	8	9%
ICLEI ClearPath	7	8%
Alaska EIMT	6	7%
EPA LGGIT	5	6%
EPA GHG Equivalencies Calculator	5	6%
EPA FLIGHT	3	4%
EPA SIT	2	2%
EPA Carbon Footprint Calculator	2	2%

Click here for a complete list of tool names identified in EPA’s review of PCAPs. <<https://epa.gov/inflation-reduction-act/select-approaches-and-measure-types>>

## GHG Reduction Measures Summary Tables

The following summary tables are based on PCAP data collected from 211 state, Metropolitan Statistical Area (MSA), Tribal, and territorial (T/T) PCAPs submitted under EPA’s Climate Pollution Reduction Grants Program <<https://epa.gov/inflation-reduction-act/climate-pollution-reduction-grants>> and presented in the GHG Reduction Measures Searchable Table. Click here for a complete list of tool names that appear in the tables. <<https://epa.gov/inflation-reduction-act/select-approaches-and-measure-types>> Explore the GHG Reduction Measures Searchable table <<https://epa.gov/inflation-reduction-act/ghg-reduction-measures-searchable-table>> here. Download the underlying data <<https://epa.gov/inflation-reduction-act/priority-climate-action-plan-directory#download>> here.

### GHG Reduction Measures by Sector and Jurisdictional Level

Sector	State	MSA	T/T	All	State	MSA	T/T	All
Electricity	132	177	312	621	18%	16%	37%	23%
Commercial and Residential Buildings	176	338	317	831	24%	31%	37%	31%
Industry	96	32	13	141	13%	3%	2%	5%
Transportation	239	422	158	819	33%	39%	19%	31%
Waste and materials management	101	145	68	314	14%	13%	8%	12%
Agriculture	39	28	17	84	5%	3%	2%	3%
Natural and Working Lands	56	88	54	198	8%	8%	6%	7%
Cross-cutting**	7	17	7	31	1%	2%	1%	1%
Total PCAP Measures Identified*	726	1,077	852	2,655	27%	41%	32%	100%

\* Table values do not sum to these totals because some measures are multi-sector

\*\* Cross-cutting is applied to measures that are not specific enough to be defined in one sector and includes the following measure types: Develop green workforce and Education and engagement.

### State Measure Quantification Approaches

	Number of Quantified Measures by Sector						
Tool Name	Transportation	Commercial and Residential Buildings	Electricity	Industry	Waste and Materials Management	Agriculture	Natural and Working Lands
Custom-built tool	70	48	25	14	16	6	11
Energy Policy Simulator	56	30	18	33	15	6	5
EPA AVERT	16	10	19	3	1	0	0
EPA MOVES	23	2	1	1	0	0	0

	Number of Quantified Measures by Sector						
Tool Name	Transportation	Commercial and Residential Buildings	Electricity	Industry	Waste and Materials Management	Agriculture	Natural and Working Lands
EPA WARM	0	0	0	0	16	0	0
AFLEET	14	1	1	0	0	0	0
EPA SIT	4	2	3	1	0	1	4
EPA GLIMPSE	1	9	1	3	0	0	0
PVWatts Calculator	0	8	9	0	0	0	0
EPA GHG Equivalencies Calculator	2	1	1	1	2	2	2
Other*	25	20	10	4	11	8	9
<b>Non-tool-based Quantification Method</b>							
Emission factor analysis	21	21	14	10	15	5	8
Estimates based on project data or comparable plans	8	9	8	11	7	4	5
Linear GHG reduction estimation	1	2	1	4	3	2	0

\*Other tools refers to tools used to quantify fewer than 8 measures across the State PCAPs reviewed. Click here for a complete list of tool names identified in EPA's review of PCAPs <<https://epa.gov/inflation-reduction-act/select-approaches-and-measure-types>>.

## MSA Measure Quantification Approaches

	Number of Quantified Measures by Sector						
Tool Name	Transportation	Commercial and Residential Buildings	Electricity	Industry	Waste and Materials Management	Agriculture	Natural and Working Lands
Custom-built tool	82	50	30	2	26	5	8
EPA AVERT	7	20	20	0	7	1	3

	Number of Quantified Measures by Sector						
Tool Name	Transportation	Commercial and Residential Buildings	Electricity	Industry	Waste and Materials Management	Agriculture	Natural and Working Lands
ICLEI ClearPath	18	13	9	3	8	1	5
Energy Policy Simulator	7	8	3	5	2	0	1
EPA MOVES	17	0	0	0	0	0	1
AFLEET	16	1	0	0	1	1	1
CO2Sight (including IPM)	0	14	1	0	0	0	0
ResStock	4	10	1	0	0	0	0
DER Planner	0	14	1	0	0	0	0
EPA WARM	0	1	0	0	12	0	0
Other*	64	45	23	3	0	3	20
<b>Non-tool-based Quantification Method</b>							
Emission factor analysis	124	91	41	12	36	7	28
Estimates based on project data or comparable plans	6	15	6	4	1	1	5
Linear GHG reduction estimation	6	18	4	0	3	1	3

\*Other tools refers to tools used to quantify fewer than 12 measures across the MSA PCAPs reviewed. Click here for a complete list of tool names identified in EPA's review of PCAPs <<https://epa.gov/inflation-reduction-act/select-approaches-and-measure-types>>.

## Tribe and Territory Measure Quantification Approaches

	Number of Quantified Measures by Sector						
Tool Name	Transportation	Commercial and Residential Buildings	Electricity	Industry	Waste and Materials Management	Agriculture	Natural and Working Lands
EPA TGIT	17	12	11	0	5	0	0

	Number of Quantified Measures by Sector						
Tool Name	Transportation	Commercial and Residential Buildings	Electricity	Industry	Waste and Materials Management	Agriculture	Natural and Working Lands
EPA GHG Equivalencies Calculator	6	12	11	0	3	0	1
NREL PV Watts	0	0	0	0	0	0	0
EPA AVERT	7	8	11	0	0	0	0
Custom-built tool	1	15	10	1	5	0	1
ICLEI ClearPath	4	6	4	0	1	0	0
AFLEET	11	0	0	0	0	0	0
MTERA	1	7	0	0	0	0	2
EPA WARM	0	1	0	0	8	0	0
EPA SIT	0	1	2	0	0	0	0
Other*	0	6	4	0	0	0	1
<b>Non-tool-based Quantification Method</b>							
Emission factor analysis	37	113	148	0	3	1	8
Estimates based on project data or comparable plans	0	2	0	0	0	0	0
Linear GHG reduction estimation	7	14	3	1	2	1	2

\*Other tools refers to tools used to quantify fewer than 9 measures across the Tribal and territorial PCAPs reviewed. Click here for a complete list of tool names identified in EPA's review of PCAPs <<https://epa.gov/inflation-reduction-act/select-approaches-and-measure-types>>.

# Measure Types by Sectors

## Transportation Sector Measure Types by Jurisdictional Level

Measure Type ↑	State ↑	MSA ↑	T/T ↑	All ↑	State ↑	MSA ↑	T/T ↑	All ↑
Reduce freight mileage	1	3	0	4	0.4%	0.7%	0%	0.5%
Education and engagement	1	4	0	5	0.4%	1%	0%	1%
Improve road conditions	1	5	0	6	0.4%	1%	0%	0.7%
Utilize low embodied carbon materials	2	0	0	2	0.8%	0%	0%	0.2%
Develop green workforce	2	4	1	7	0.8%	1%	1%	0.9%
Deploy lower-emitting locomotives	3	1	0	4	1.3%	0.2%	0%	0.5%
Apply technology or best practices to improve fuel efficiency	3	3	0	6	1.3%	0.7%	0%	0.7%
Promote water- or train-based freight transportation	4	4	0	8	1.7%	1%	0%	1.0%
Build housing in transit connected locations	4	17	0	21	1.7%	4%	0%	3%
Provide shore power to docked boats	5	2	0	7	2.1%	0.5%	0%	1%
Electrify or increase efficiency of non-road transportation	5	24	9	38	2.1%	6%	6%	5%
Encourage carpooling	6	10	7	23	2.5%	2%	4%	3%
Reduce vehicle miles traveled	7	6	6	19	2.9%	1%	4%	2%
Encourage deployment of higher fuel efficiency vehicles	9	20	6	35	3.8%	5%	4%	4%
Electrify off road vehicles or equipment	11	29	5	45	4.6%	7%	3%	5%
Build dense communities	12	22	4	38	5.0%	5%	3%	5%
Electrify municipal buses	20	30	15	65	8.4%	7%	9%	8%
Utilize low carbon fuels	24	27	4	55	10.0%	6%	3%	7%
Expand public transit	35	80	13	128	14.6%	19%	8%	16%
Total Transportation Measures Identified*	239	422	158	819	100%	100%	100%	100%



Measure Type ↑	State ↑	MSA ↑	T/T ↑	All ↑	State ↑	MSA ↑	T/T ↑	All ↑
Increase the deployment of electric vehicles	35	41	19	95	14.6%	10%	12%	12%
Increase active transportation	38	104	11	153	15.9%	25%	7%	19%
Electrify government and/or publicly owned vehicle fleets	40	55	65	160	16.7%	13%	41%	20%
Increase the deployment of electric MDVs and/or HDVs	43	23	2	68	18.0%	5%	1%	8%
Develop EV charging infrastructure	64	90	67	221	26.8%	21%	42%	27%
Total Transportation Measures Identified*	239	422	158	819	100%	100%	100%	100%

\* Table values do not sum to these totals because some measures have multiple measure types

## Electricity Sector Measure Types by Jurisdictional Level

Measure Type ↑	State ↑	MSA ↑	T/T ↑	All ↑	State ↑	MSA ↑	T/T ↑	All ↑
Utilize low embodied carbon materials	0	0	1	1	0%	0%	0.3%	0.2%
Education and engagement	0	12	2	14	0%	7%	1%	2%
Develop green workforce	1	7	3	11	1%	4%	1%	2%
Use more efficient fossil-fuel generation technology	2	0	0	2	2%	0%	0%	0.3%
Maintain or expand nuclear energy generation	2	0	0	2	2%	0%	0%	0.3%
Create a cap-and-trade or carbon tax program	2	1	0	3	2%	1%	0%	0.5%
Facilitate community choice aggregation programs	2	7	0	9	2%	4%	0%	1%
Achieve clean or renewable energy goals	3	2	0	5	2%	1%	0%	0.8%
Deploy carbon capture and/or sequestration technology	3	2	0	5	2%	1%	0%	1%
Use cleaner fuels for power generation	6	3	7	16	5%	2%	2%	3%
Total Electricity Measures Identified*	132	177	312	621	100%	100%	100%	100%

Measure Type ↑	State ↑	MSA ↑	T/T ↑	All ↑	State ↑	MSA ↑	T/T ↑	All ↑
Support development or expansion of community solar programs	6	13	52	71	5%	7%	17%	11%
Use district geothermal, cogeneration, or waste heat recovery	8	11	42	61	6%	6%	13%	10%
Develop microgrids	12	14	30	56	9%	8%	10%	9%
Develop transmission and distribution infrastructure	18	10	48	76	14%	6%	15%	12%
Develop energy storage systems	34	36	99	169	26%	20%	32%	27%
Expand utility-scale renewable energy generation	35	26	42	103	27%	15%	13%	17%
Increase deployment of distributed renewables	52	106	137	295	39%	60%	44%	48%
Total Electricity Measures Identified*	132	177	312	621	100%	100%	100%	100%

\* Table values do not sum to these totals because some measures have multiple measure types

## Commercial and Residential Building Sector Measure Types by Jurisdictional Level

Measure Type ↑	State ↑	MSA ↑	T/T ↑	All ↑	State ↑	MSA ↑	T/T ↑	All ↑
Develop green workforce	3	8	1	12	2%	2%	0.3%	1%
Install LED Streetlights	7	8	1	16	4%	2%	0.3%	2%
Phase out HFCs	8	5	3	16	5%	1%	1%	2%
Electrify new construction	3	7	3	13	2%	2%	1%	2%
Education and engagement	4	36	3	43	2%	11%	1%	5%
Utilize low embodied carbon materials	2	5	5	12	1%	1%	2%	1%
Develop building benchmarking and performance standards	7	15	5	27	4%	4%	2%	3%
Utilize low carbon fuels	2	5	7	14	1%	1%	2%	2%
Leverage building codes	14	23	8	45	8%	7%	3%	5%
Total Commercial and Residential Measures Identified*	176	338	317	831	100%	100%	100%	100%

Measure Type ↕	State ↕	MSA ↕	T/T ↕	All ↕	State ↕	MSA ↕	T/T ↕	All ↕
Improve municipal building efficiency	20	40	17	77	11%	12%	5%	9%
Improve building energy efficiency	16	43	23	82	9%	13%	7%	10%
Electrify existing buildings	48	57	43	148	27%	17%	14%	18%
Increase deployment of distributed renewables	46	93	63	202	26%	28%	20%	24%
Deploy electric heat pumps	20	38	65	123	11%	11%	21%	15%
Install more efficient heating or cooling equipment	38	69	79	186	22%	20%	25%	22%
Improve appliance energy efficiency	23	55	120	198	13%	16%	38%	24%
Improve weatherization	34	61	131	226	19%	18%	41%	27%
Total Commercial and Residential Measures Identified*	176	338	317	831	100%	100%	100%	100%

\* Table values do not sum to these totals because some measures have multiple measure types

## Industry Sector Measure Types by Jurisdictional Level

Measure Type ↕	State ↕	MSA ↕	T/T ↕	All ↕	State ↕	MSA ↕	T/T ↕	All ↕
Education and engagement	1	2	0	3	1%	6%	0%	2%
Develop green workforce	1	3	0	4	1%	9%	0%	3%
Improve weatherization	2	0	0	2	2%	0%	0%	1%
Electrify existing buildings	2	1	0	3	2%	3%	0%	2%
Utilize low embodied carbon materials	2	1	0	3	2%	3%	0%	2%
Improve building energy efficiency	2	2	0	4	2%	6%	0%	3%
Install more efficient heating or cooling equipment	3	2	1	6	3%	6%	8%	4%
Improve appliance energy efficiency	4	1	1	6	4%	3%	8%	4%
Manufacture low carbon fuels	9	0	0	9	9%	0%	0%	6%
Total Industry Measures Identified*	96	32	13	141	100%	100%	100%	100%

Measure Type	State	MSA	T/T	All	State	MSA	T/T	All
Increase deployment of distributed renewables	9	7	2	18	9%	22%	15%	13%
Phase out HFCs	11	3	1	15	11%	9%	8%	11%
Utilize low carbon fuels	12	5	4	21	13%	16%	31%	15%
Deploy carbon capture and/or sequestration technology	15	3	0	18	16%	9%	0%	13%
Improve chemical and/or process efficiency	16	5	1	22	17%	16%	8%	16%
Reduce fugitive emissions	18	5	5	28	19%	16%	38%	20%
Improve industrial energy efficiency	18	9	2	29	19%	28%	15%	21%
Electrify industrial processes	19	2	1	22	20%	6%	8%	16%
Total Industry Measures Identified*	96	32	13	141	100%	100%	100%	100%

\* Table values do not sum to these totals because some measures have multiple measure types

## Waste and Materials Management Sector Measure Types by Jurisdictional Level

Measure Type	State	MSA	T/T	All	State	MSA	T/T	All
Utilize low embodied carbon materials	3	2	0	5	2%	1%	0%	1%
Increase thermal biomass conversion	6	3	0	9	3%	1%	0%	2%
Develop green workforce	0	3	1	4	0%	1%	1%	1%
Increase capture and/or utilization of gas from anaerobic digestion	19	3	1	23	10%	1%	1%	4%
Increase capture and/or utilization of gas from landfills	30	18	3	51	16%	8%	3%	10%
Develop analytical and planning tools for materials management	2	6	5	13	1%	3%	5%	3%
Increase waste-to-energy	1	8	5	14	1%	4%	5%	3%
Increase anaerobic digestion	23	13	6	42	13%	6%	5%	8%
Total Waste and Materials Management Measures Identified*	183	219	111	513	100%	100%	100%	100%

Measure Type ↑	State ↑	MSA ↑	T/T ↑	All ↑	State ↑	MSA ↑	T/T ↑	All ↑
Education and engagement	0	6	7	13	0%	3%	6%	3%
Reduce nonfood waste	9	13	7	29	5%	6%	6%	6%
Reduce food/organic waste	15	22	7	44	8%	10%	6%	9%
Reduce emissions from wastewater treatment facilities	12	26	13	51	7%	12%	12%	10%
Increase recycling	21	38	28	87	11%	17%	25%	17%
Increase composting	42	58	28	128	23%	26%	25%	25%
Total Waste and Materials Management Measures Identified*	183	219	111	513	100%	100%	100%	100%

\* Table values do not sum to these totals because some measures have multiple measure types

## Agriculture Sector Measure Types by Jurisdictional Level

Measure Type ↑	State ↑	MSA ↑	T/T ↑	All ↑	State ↑	MSA ↑	T/T ↑	All ↑
Improve livestock management	11	5	0	16	28%	18%	0%	19%
Adopt soil or land management practices to sequester carbon	27	19	12	58	69%	68%	71%	69%
Adopt soil management practices to reduce GHG emissions	12	2	5	19	31%	7%	29%	23%
Reduce agricultural fuel emissions	6	1	1	8	15%	4%	6%	10%
Utilize low embodied carbon materials	0	0	1	1	0%	0%	6%	1%
Develop green workforce	0	2	0	2	0%	7%	0%	2%
Education and engagement	1	2	2	5	3%	7%	12%	6%
Total Agriculture Measures Identified*	39	28	17	84	100%	100%	100%	100%

\* Table values do not sum to these totals because some measures have multiple measure types

## Natural and Working Lands Sector Measure Types by Jurisdictional Level

Measure Type ↓	State ↓	MSA ↓	T/T ↓	All ↓	State ↓	MSA ↓	T/T ↓	All ↓
Expand urban forests and/or green spaces	22	55	14	91	39%	63%	26%	46%
Maintain or expand existing forests	33	29	24	86	59%	33%	44%	43%
Increase thermal biomass conversion	6	1	0	7	11%	1%	0%	4%
Manage or restore grasslands for carbon sequestration	5	3	4	12	9%	3%	7%	6%
Preserve or expand wetlands	10	8	24	42	18%	9%	44%	21%
Utilize low embodied carbon materials	0	0	0	0	0%	0%	0%	0%
Develop green workforce	0	3	0	3	0%	3%	0%	2%
Education and engagement	1	8	2	11	2%	9%	4%	6%
Total Natural and Working Lands Measures Identified*	56	88	54	198	100%	100%	100%	100%

\* Table values do not sum to these totals because some measures have multiple measure types

## LIDAC Benefits Summary Tables

The following summary tables are based on PCAP data collected from 126 state, Metropolitan Statistical Area (MSA), Tribal, and territorial (T/T) PCAPs submitted under EPA's Climate Pollution Reduction Grants Program <<https://epa.gov/inflation-reduction-act/climate-pollution-reduction-grants>> and presented in the Low-Income and Disadvantaged Community (LIDAC) Benefits Searchable Table. Click [here](https://epa.gov/inflation-reduction-act/select-approaches-and-measure-types) for a complete list of tool names that appear in the tables. <<https://epa.gov/inflation-reduction-act/select-approaches-and-measure-types>> Explore the LIDAC Benefits Searchable table <<https://epa.gov/inflation-reduction-act/lidac-benefits-searchable-table>> [here](https://epa.gov/inflation-reduction-act/lidac-benefits-searchable-table). Download the underlying data <<https://epa.gov/inflation-reduction-act/priority-climate-action-plan-directory#download>> [here](https://epa.gov/inflation-reduction-act/priority-climate-action-plan-directory#download).

## LIDAC Benefits Analysis by Jurisdictional Level

Type of LIDAC Benefits Analysis in PCAP	State	MSA	All	State	MSA	All
Any LIDAC Benefits Analysis	47	79	126	100%	100%	100%
Any measure-level LIDAC Benefits Analysis	43	65	108	91%	82%	86%
Any plan-level LIDAC Benefits Analysis	41	69	110	87%	87%	87%
Any quantitative analysis	12	42	54	26%	53%	43%
Total PCAPs Reviewed	47	79	126	37%	63%	100%

## LIDAC Benefits Types by Jurisdictional Level

LIDAC Benefit Type	State	MSA	All	State	MSA	All
Jobs and workforce	45	70	115	96%	89%	91%
Air quality	42	75	117	89%	95%	93%
Affordability and cost savings	40	75	115	85%	95%	91%
Public health	39	75	114	83%	95%	90%
Resilience	36	59	95	77%	75%	75%
Economic growth	30	55	85	64%	70%	67%
Access to and quality of services and amenities	30	64	94	64%	81%	75%
Capacity-building	20	28	48	43%	35%	38%
Natural resource conservation and enhancement	14	36	50	30%	46%	40%
Other	31	63	94	66%	80%	75%

## LIDAC Engagement Approaches by Jurisdictional Level

LIDAC Engagement Approach	State	MSA	All	State	MSA	All
Events and meetings	25	34	59	53%	43%	47%
Participant accessibility and incentives	15	10	25	32%	13%	20%
Advisory groups	12	18	30	26%	23%	24%
Publicity	12	18	30	26%	23%	24%
Stakeholder mapping	9	24	33	19%	30%	26%
Surveys	6	21	27	13%	27%	21%
Engagement plans and metrics	4	7	11	9%	9%	9%
Public comment periods	3	0	3	6%	0%	2%
Engagement-focused staff or contractor	2	5	7	4%	6%	6%

## Co-Pollutant Benefits Summary Tables

The following summary tables are based on PCAP data collected from 211 state, Metropolitan Statistical Area (MSA), Tribal, and territorial (T/T) PCAPs submitted under EPA's Climate Pollution Reduction Grants Program <<https://epa.gov/inflation-reduction-act/climate-pollution-reduction-grants>> and presented in the GHG Reduction Measures with Co-Pollutant Benefits Searchable Table. Click [here](https://epa.gov/inflation-reduction-act/select-approaches-and-measure-types) for a complete list of tool names that appear in the tables. <<https://epa.gov/inflation-reduction-act/select-approaches-and-measure-types>> Explore the GHG Reduction Measures with Co-Pollutant Benefits table <<https://epa.gov/inflation-reduction-act/ghg-reduction-measures-co-pollutant-benefits>> [here](https://epa.gov/inflation-reduction-act/ghg-reduction-measures-co-pollutant-benefits). Download the underlying data <<https://epa.gov/inflation-reduction-act/priority-climate-action-plan-directory#download>> [here](https://epa.gov/inflation-reduction-act/priority-climate-action-plan-directory#download).

## Criteria Air Pollutant (CAP) Benefits Analysis by Jurisdictional Level

Type of CAP Benefits Analysis in PCAP	State	MSA	T/T	All	State	MSA	T/T	All
Qualitative-only	0	9	5	14	0%	11%	6%	7%
Quantitative-only	19	9	25	53	40%	11%	29%	25%
Quantitative and qualitative	4	0	19	23	9%	0%	22%	11%
Total PCAPs Reviewed	47	79	85	211	22%	37%	40%	100%

## Hazardous Air Pollutant (HAP) Benefits Analysis in PCAPs by Jurisdictional Level

Type of HAP Benefits Analysis in PCAP	State	MSA	T/T	All	State	MSA	T/T	All
Qualitative-only	0	5	3	8	0%	6%	4%	10%
Quantitative-only	9	7	13	29	19%	9%	15%	43%
Quantitative and qualitative	1	0	18	19	2%	0%	21%	23%
Total PCAPs Reviewed	47	79	85	211	22%	37%	40%	100%

## Measures with Quantitative CAP/HAP Benefits Analysis by Jurisdictional Level

Type of Benefits Analysis in PCAP	State	MSA	T/T	All	State	MSA	T/T	All
Quantitative CAP Analysis-only	246	202	156	604	34%	19%	18%	71%
Quantitative HAP Analysis-only	56	91	75	222	8%	8%	9%	25%
Quantitative CAP and HAP Analysis	56	79	64	199	8%	7%	8%	23%
Total PCAP Measures Identified	726	1,077	852	2,655	27%	41%	32%	100%

## Measure Quantification Tools Used for Quantitative CAP/HAP Benefits Analysis

Tool Name	CAP Analysis				HAP Analysis			
	State	MSA	T/T	All	State	MSA	T/T	All
EPA AVERT	25	39	16	80	0	8	6	14
Custom-built tool	48	23	0	71	13	19	0	32
EPA COBRA	21	21	0	42	0	20	0	20
EPA MOVES	18	11	0	29	0	7	0	7
Energy Policy Simulator	57	7	0	64	29	7	0	36
AFLEET	0	8	0	8	0	2	0	2
EPA GLIMPSE	0	5	0	5	0	5	0	5
ResStock	1	8	0	9	0	0	0	0



Tool Name	CAP Analysis				HAP Analysis			
	State	MSA	T/T	All	State	MSA	T/T	All
EPA NEI	1	0	12	13	0	0	4	4
EPA TGIT	0	0	10	10	0	0	0	0
Total Measures with Quantitative Co-pollutant Benefits Analysis	246	202	156	604	246	202	156	604

Contact Us <<https://epa.gov/inflation-reduction-act/forms/contact-us-about-inflation-reduction-act>> to ask a question, provide feedback, or report a problem.

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