Data Element	Inclusion Status
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Title
GGRF Program
Recipient Name
US EPA Grant Number
Unique Entity Identifier (UEI)
Transaction Identifier - Grantee
Transaction Identifier - Originator
Counterparty Name
Counterparty TIN or EIN
Transaction Identifier - EPA
Date Originated
Reporting Period End Date
Transaction Purpose
Finance Type
Financial Assistance Type
Financial Assistance Type Description
Transaction Amount
GGRF Recycled Funds Amount
Financial Product Status
Technical or Financial Assistance Provider Name
Counterparty Type
Technical or Financial Assistance Provider TIN or EIN
Unpaid Principal
Interest Rate
Interest Type
Maximum Interest Rate
Points
Origination Fees
Amortization Type
Equity-Like Features
Debt-Equity Conversion
Term in Months
Guarantee by Third Party
Forgivable Loan
Amount of Forgivable Loan
Client ID (reported to CDFI Fund)
NAICS
Low-Income Owned or Controlled?
Date Created
Project Identifier - Grantee
Project Identifier - EPA
Project Title
Project Description and Purpose
Project Type
Project Type Detail
Technical Assistance Type
Technical Assistance Description
Project Status

Project Status Description

Project Equipment Useful Life

Project Site City

Project Site State or Territory

Project Site ZIP Code

Project Site Census Tract Code

Project Site Census Tract and Block Group Year

Project Site Longitude (X-Coordinate)

Project Site Latitude (Y-Coordinate)

Project Site Geocoordinates Description

Does Project Qualify as LIDAC?

Is the asset owner not-for-profit?

Is the asset owner a community?

Total Project or Development Cost

Community Benefits Delivered

Number of Households Served by Project

Estimated Annual Household Savings Provided by Project

Description of Household Savings

Permanent Jobs Created or Retained [Non-Construction]

Full-Time Equivalent Jobs Created [Construction]

Source of Jobs Estimates

Source of Jobs Estimates Description (if projected)

Tools to Promote Good Jobs and Community

Does Project Set Goal for Labor Hours Completed Under a Registered Apprenticeship Program?

Average Estimated Annual Household Energy Savings

Annual Carbon Dioxide Equivalent (CO2e)

Annual Carbon Dioxide (CO2)

Annual Methane (CH4)

Annual Hydrofluorocarbons (HFCs)

Annual Nitrous Oxide (N2O)

Annual Perfluorocarbons (PFCs)

Annual Sulfur Hexafluoride (SF6)

Annual Nitrogen Trifluoride (NF3)

Annual Primary Fine Particulate Matter (PM2.5)

Annual Total Fine Particulate Matter (PM2.5)

Annual Particulate Matter (PM10)

Annual Nitrogen Dioxide (NO2)

Annual Sulfur Dioxide (SO2)

Annual Ground-Level Ozone (O3)

Annual Carbon Monoxide (CO)

Annual Lead (Pb)

Annual Ammonia (NH3)

Annual Volatile Organic Compounds (VOCs)

Clean Energy Type

Nameplate Capacity

Capacity Factor

Storage Technology Type

Storage Power Capacity [in kW]

Storage Energy Capacity [in kWh]

Cycle Efficiency

Response Time (seconds)

Duration of Discharge

Is the power source only renewable?

Transmission Project Type

Miles of Power Lines

Estimated Annual Reduced Energy Loss from Change in Technical Loss Rate

Estimated change in electricity consumption annually

Estimated change in natural gas consumption

Estimated change in fuel oil consumption

Estimated diesel equivalent fuel consumption

Energy efficiency measures adopted

Number of air source heat pumps installed

Number of geothermal heat pumps installed

Number of induction stoves installed

Number of electric stoves installed

Average Estimated Change in Insulation Value Change (R-Value)

Building Type

Number of Net-Zero Buildings

Type of Construction

Net-Zero Calculation Method

Square Footage

Number of Vehicles Deployed

What is the Type of Existing On-Road Vehicle Being Replaced?

Baseline On-Road Vehicle Fuel Type

New On-Road Vehicle Fuel Type

Average On-Road Baseline Model Year

Will the Old On-Road Vehicles be Destroyed?

Type of non-road equipment

Baseline Non-Road Equipment Fuel Type

Baseline non-road equipment horsepower

New Non-Road Equipment Fuel Type

New non-road equipment horsepower

Average Non-Road Baseline Model Year

Will the old off-road vehicles be destroyed?

Number of charging ports deployed

Number of Level 1 Ports

Number of Level 2 Ports

Number of DC Fast Ports

Estimated Load Factor

Is the charger publicly accessible?

Baseline Fuel Type

Baseline Annual Fuel Consumption

Baseline annual CO2e

Alternative fuel type

Alternative fuel consumption annually

New annual CO2e

Fuel consumption unit

Renewable Natural Gas (RNG) production per year

Renewable Natural Gas (RNG) Source

Renewable Natural Gas (RNG) Use

Acres of Forest

New or Conserved?

Project Financing Source (Public) - Name

Project Financing Source (Public) - Amount

Project Financing Source (Private) - Name

Project Financing Source (Private) - Amount

Loan-to-Value Ratio

Loan Loss Reserve Requirement

Grant Recipient Fiscal Year End Date

Principal Amount

Is Project Subject to BABA Requirements?

Is Project Covered by an EPA-Approved BABA Waiver?

BABA Waiver Type

BABA Program-wide Waiver

BABA Project-specific Waiver

Date EPA Project Officer Provided BABA Waiver Approval

Name of EPA Project Officer Providing BABA Waiver Approval

Is Project Subject to DBRA Requirements?

DBRA Construction Category

Asset owner is

Transaction Date

Transaction Identifier - Counterparty

Project Site Address Line 1

Project Site Address Line 2

Solar PV Project Type Usage

Grant Title

Enabling Upgrades

Is household electrified for the first time?

Investment Tax Credit (ITC) Amount

Principal Subsidy Amount at Time of Origination

Security Interest

Does Project Site Qualify as LIDAC in CEJST?

Date of Project Completion (Actual)

Project Interconnection Date

Investment Tax Credit (ITC) Direct Pay Amount

Project Site County

Subsidy Type

Project Resiliency Measures

Solar Lease Monthly Amount

Delinquency - 30 Days or Less

Delinquency - 31 to 60 Days

Delinquency - 61 to 90 Days

Delinquency - 91 or More Days

Micromobility Vehicle Project

Micromobility Number of Vehicles Deployed

Solar Lease Term

Solar Lease - Fixed or Variable Monthly Lease Amount

Project Sponsor Name

Project Sponsor Address Line 1

Project Sponsor Address Line 2

Project Sponsor City

Project Sponsor State or Territory

Project Sponsor ZIP Code

Project Sponsor TIN or EIN

Project Placed in Service Date

Number of newly built units

Number of rehabilitated or adaptively reused units

Number of rental units

Number of units for ownership

Number of housing units available to households at 80 percent of AMI or less

Number of housing units available to households at 81 percent of AMI or above

Project Financing (All Private Sources) - Subtotal

Project Financing Stage

Total Photovoltaic System Cost

Photovoltaic Panels Cost (Materials)

Inverter Cost (Materials)

Remainder of System Cost

Interconnection Cost

Permitting Fees Cost

Solar Panel Type

Baseline On-Road Vehicle Annual Idling Hours

Baseline On-Road Vehicle Annual Hoteling Hours

New On-Road Vehicle Model Year

New Non-Road Vehicle Model Year

For Baseline Diesel Vehicles, Does the Vehicle Use Diesel Exhaust Fluid?

Project Financing (All Public Sources) - Subtotal

Contract Identifier for Financial Assistance

Enabling Upgrades Cost

Soft Cost Subtotal for Total Project or Development Cost

Hard Cost Subtotal for Total Project or Development Cost

Project Site Census Block Group

Project Site Census Block

Project Site Identifier - Grantee

Project Site Identifier - EPA

Benefit Identifier - Grantee

Benefit Identifier - EPA

Apex Transaction Identifier

Parent Transaction Identifier

Unique Building Identifier (UBID)

Number of Vehicles Replaced

Will a managed charging strategy be utilized for the new onroad vehicles?

Are the replaced onroad vehicles a result of shared mobility (e.g., carsharing, ridesourcing, carpooling, bikesharing)?

Is the battery storage dispatchable as a electrical grid resource?

Annual Nitrogen Oxides (NOx)

Annual Sulfur Oxides (SOx)

Does the project have battery storage?

Lifetime Carbon Dioxide Equivalent (CO2e)

Lifetime Carbon Dioxide (CO2)

Lifetime Methane (CH4)

Lifetime Nitrous Oxide (N2O)

Lifetime Total Fine Particulate Matter (PM2.5)

Lifetime Particulate Matter (PM10)

Lifetime Nitrogen Dioxide (NO2)

Lifetime Sulfur Dioxide (SO2)

Lifetime Carbon Monoxide (CO)

Lead (Pb)

Lifetime Ammonia (NH3)

Lifetime Volatile Organic Compounds (VOCs)

Lifetime Nitrogen Oxides (NOx)

Lifetime Sulfur Oxides (SOx)

Lifetime Hydrofluorocarbons (HFCs)

Lifetime Perfluorocarbons (PFCs)

Lifetime Sulfur Hexafluoride (SF6)

Lifetime Nitrogen Trifluoride (NF3)

Lifetime Annual Primary Fine Particulate Matter (PM2.5)

Lifetime Ground-Level Ozone (O3)

Lifetime Lead (Pb)

Meter Type

Date Modified

End Beneficiary 12-month Historical Utility Costs

End Beneficiary 12-month Historical Utility Energy Consumption

End Beneficiary Net Cost of Solar

End Beneficiary Allocated Solar Generation

End Beneficiary Solar Generation Compensation Rate

Utility Provider Name

Baseline Utility Rate

Baseline Energy Consumption

Customer Net Cost of Solar

Customers Allocated Generation

Solar Generation Compensation Rate

Utility bill escalation rate

Solar degradation rate per year

End Beneficiary Year 1 Expected Allocated Solar Generation

Upfront End Beneficiary Solar Cost

Annual Solar Incentive(s) Received by End Beneficiary

End Beneficiary Solar Generation Absolute Compensation

Household Savings Calculation Methdology

Region as defined by Avoided Emissions Generation Tool (AVERT)

Expected Energy Efficiency Improvement

Average Annual Energy Consumption

Efficiency Unit for New HVAC System

Efficiency of New HVAC System

Efficiency Unit for HVAC System being replaced

Do you have efficiency of old HVAC System available?

Efficiency of Old HVAC system?

Average Annual usage of air conditioning

Electricity usage of old air conditioning unit

Average annual energy consumption of old HVAC system

Old HVAC Efficiency Rating

What is the fuel used for the old HVAC system?

Efficiency of New Water Heater System

Efficiency Unit for Water Heater System being Replaced

Efficiency Improvement of New Water Use Fixture

Do you have efficiency of old Water Heater System available?

Efficiency of Old Water Heater System

Average annual energy consumption of old water heater system

Old Water Heater System Model

What fuel is used in old water heater?

EER of the geothermal system

Number of fridge units installed

Electricity usuage of each fridge unit

Do you have expected efficiency improvement from grid interactive system?

What is the expected efficiency improvement from grid interactive system?

Is the system heating, cooling, or both?

Will the building wall insulation R value be higher than 10 after retrofit?

Does the building have an ENERGY STAR Target Score of 85 or higher?

What is the combined city/highway fuel efficiency of the onroad vehicle being replaced?

Do you know the annual miles driven per existing onroad vehicle being replaced?

Annual miles driven per vehicle

Will the existing onroad vehicles be destroyed or permanently removed from operation (by any owner); OR will the vehicle

What is the new onroad vehicle model year

Will a managed charging strategy be utilized for the new onroad vehicles?

Are the replaced onroad vehicles a result of shared mobility (e.g., carsharing, ridesourcing, carpooling, bikesharing)?

Will a dispatchable battery system be utilized (battery swapping) for the new onroad vehicles?

What is the existing nonroad vehicle/equipment model year?

How many nonroad vehicles/equipment of this type are being replaced?

What is the new nonroad vehicle/equipment rated horsepower?

What is the new nonroad vehicle/equipment model year?

IF BEV, what is the primary location (ZIP Code) for charging?

Will the existing nonroad vehicles/equipment be destroyed or permanently removed from operation (by any owner); OR v

Does the project include vehicle charging infrastructure, walkability/bikability infrastructure, or both?

Level 1 EVSE - Low Utilization

Level 1 EVSE - Moderate Utilization

Level 1 EVSE - High Utilization

Level 2 EVSE - Low Utilization

Level 2 EVSE - Moderate Utilization

Level 2 EVSE - High Utilization

DCFC EVSE - Low Utilization

DCFC EVSE - Moderate Utilization

DCFC EVSE - High Utilization

Do you know the total annual emissions from all vehicles that are being replaced by walking and/or biking?

What are the total annual emissions from all vehicles that are being replaced by walking and/or biking?

How many people are expected to shift from vehicle usage to walking and/or biking?

Do you know the average distance (miles/week/person) that would be covered by walking and/or biking instead of driving

What is the average distance (miles/week/person) that would be covered by walking and/or biking instead of driving?

Transfer of existing unit annual emissions to new owner, CO2e

Transfer of existing unit annual emissions to new owner, CO

Transfer of existing unit annual emissions to new owner, NOx

Transfer of existing unit annual emissions to new owner, PM10

Transfer of existing unit annual emissions to new owner, PM2.5

Transfer of existing unit annual emissions to new owner, VOC

Transfer of existing unit annual emissions to new owner, SOx

Old Building Type

Buying or Selling Financial Instrument

Factor 1 for Priority Project #2 (Buildings)

Factor 2 for Priority Project #2 (Buildings)

Factor 3 for Priority Project #2 (Buildings)

Factor 4 for Priority Project #2 (Buildings)

Factor 5 for Priority Project #2 (Buildings)

Factor 6 for Priority Project #2 (Buildings)

Factor 7 for Priority Project #2 (Buildings)

Factor 8 for Priority Project #2 (Buildings)

Factor 9 for Priority Project #2 (Buildings)

Factor 10 for Priority Project #2 (Buildings)

Factor 1 for Priority Project #3 (Transportation)

Factor 2 for Priority Project #3 (Transportation)

Factor 3 for Priority Project #3 (Transportation)

Factor 4 for Priority Project #3 (Transportation)

Factor 5 for Priority Project #3 (Transportation)

Factor 6 for Priority Project #3 (Transportation)

Factor 7 for Priority Project #3 (Transportation)

Factor 8 for Priority Project #3 (Transportation)

Factor 9 for Priority Project #3 (Transportation)

Factor 10 for Priority Project #3 (Transportation)

Definition for Field

This field identifies the specific GGRF program -- either Clean Communities Investment Accelerator (CCIA), National Clean

This field contains the legal name of the GGRF award recipient.

This field contains the system-generated unique identifier for the grant award. This number is created by US EPA and is sta

This field contains the system-generated unique identifier that all federal grant recipients must obtain from SAM.gov. It is

This field contains a value that uniquely identifies each of the grant recipient's financial instruments, like loans or lines of c

This field contains the unique identifier for any technical or financial assistance transaction in the originating entity's syste

This field captures the legal name of the counterparty to any business-to-business transaction that the recipient or subrec

Enter the federal tax identification number or TIN (sometimes called an EIN) for the counterparty to transactions the prim

This field contains the EPA unique identifier for the transaction record and is distinct from the grantee's unique identifier f

The date that the financial assistance product was originated; say, a loan origination date, for example.

Enter the last date of the reporting period covered by this report. For quarterly reports, this will be the last date of the rep

A single transaction may have one and only one "transaction purpose" and a single "counterparty." This rule extends down

If the transaction type in DE012 is "FINANCE," please use one of the three picklist values to identify the type of finance inv

Choose one of the pre-defined values below and report the type of financial assistance provided in this transaction. For Lo

If the "Financial Assistance Type" = OTHER, then please provide a simple description of the financial assistance type to hel

Report the amount of the loan original investment. The amount should be a non-zero positive whole number. For LOC suc

Report the dollar amount of the recycled funds. The value of this field must be a positive number.

This field captures the status of the transaction and the financial assistance product from the perspective of the lender wh

Enter the legal name of the organization providing the financial assistance in this transaction -- as the lender, for example

Choose one of the picklist values to describe the counterparty to the transaction. Counterparties fall into two broad group

Enter the federal tax identification number or TIN (sometimes called an EIN) of the organization providing the financial ass

Report the most recent unpaid principal balance of the financial instrument. This field is optional.

Report the interest rate charged to the borrower at origination. Enter the percentage as a decimal number (i.e. if the Inter

Choose one of the pre-defined values below and report the type of interest at origination.

For adjustable interest rate loans, report the maximum interest rate. Enter the percentage as a whole number (i.e., if the I

Report the points charged to the borrower at origination. Exclude origination fees (do not report origination fees here). Re

Report the total loan origination fees, including processing, credit report, and other fees that borrowers have to either dir

Choose one of the pre-defined values below and report how the financial note is amortized at origination.

Choose one of the pre-defined values below and report the type of equity-like feature. If a loan has more than one equity-

For financial transactions where debt may be converted to equity, report the amount of the equity investment after the de

Report the term of a loan at origination in months. Enter the full term, not the remaining term of the financial note. "Term

If any portion of the loan is guaranteed by a third party, choose one of the pre-defined values below and report the source

Report whether the loan or investment agreement stipulates that some or all of the outstanding balance of the loan or the

If the loan allows borrowers to have the balance of their loan either partially or totally forgiven if they meet certain condit

The grant recipient or subrecipient can report the Client ID field that CDFIs use to uniquely identify their customers when

Report the 6-digit North American Industry Classification (NAICS) Code that reflects investee's/borrower's/recipient's natu

Report whether the investee/borrower is more than 50% owned or controlled by one or more low-income persons. If the

This field is a TAPS-generated field for each record across all files submitted containing the date the data was written to th

This system-generated unique identifier serves to identify the relationship between financial transactions and actual proje

This field contains the EPA unique identifier for the project record and is distinct from the grantee's unique identifier for t

Enter a short title for the project. This field is required for project finance and optional in all other cases (asset and corpora

Enter a short description and purpose for the project.

Choose one of the pre-defined picklist values to define the project's target sector for greenhouse gas reductions. These ar

Choose the type of project.

Choose one or more of the pre-defined values to indicate the technical assistance project type.

Narratively describe the assistance activity and primary purpose.

Choose one of the pre-defined picklist values that defines the status of the physical asset receiving financial assistance. Do

If the project is cancelled, the field "Project Status" should indicate "CANCELLED." Include a brief description of the reason

Enter the useful life of the equipment (in months) that was installed through the use of the financial assistance product (in

Enter the municipality or the city for the physical address of the property or location that is receiving technical or financial

Enter the two-character abbreviation used by the USPS to identify the US state or territory for the project's location.

Enter the five-digit USPS ZIP Code for the project receiving technical or financial assistance.
https://www.census.gov/programs-surveys/geography/guidance/geo-identifiers.html

Enter the year of census tract and block group for the project site.

Accuracy should meet or exceed EPA Tier 5 (100-200m) - more information available in the National Geospatial Data Policy

Accuracy should meet or exceed EPA Tier 5 (100-200m) - more information available in the National Geospatial Data Policy

Description of what the latitude and longitude represents, such as the site centroid, geographic centroid, or line, for exam

Choose one of the pre-defined picklist values that identifies how the project targets a low-income or disadvantaged comm

Select YES if the asset owner is a not for profit entity as defined in 2 CFR § 200.1

Select YES if the asset is owned by a public or private nonprofit organization that supports and/or represents a community

Report the total cost of the project being funded by the reported loans or investments. The amount should be non-zero p

CEEE Clean Energy, Electrification, and/or Energy Efficiency; TRANSP Clean Transportation; ZERO-E Zero Emissions Housin

Report the number of households receiving resiliency benefits from the project.

Report the dollar value of the cost savings provided by the project on an annual basis.

Clarify what is included in "costs savings" (e.g., utility bill savings; loan origination costs borne by financial assistance provi

full-time jobs before reporting"

Report the number full-time equivalent (FTE) construction jobs (using a standard 40-hour work week) projected (at date o

OTHER None of the above. Add the description in the following field.;

Narratively describe the source of job estimates.

o   Examples of supportive services include childcare; housing; counseling; health services; legal services; financial and bu

Select YES if the project has goals for the percentage of labor hours to be completed by a participant in a Registered Appre

This field is a computed value and the output of the household savings calculator. Do not enter data into this field.

Annual avoided Carbon Dioxide Equivalent (CO2e) emissions in metric tons

Annual avoided Carbon Dioxide (CO2) emissions in metric tons

Annual avoided Methane (CH4) emissions in metric tons

Annual HFC emissions from baseline system/fuel

Annual avoided N2O emissions in metric tons

Annual PFC emissions from baseline system/fuel

Annual SF6 emissions from baseline system/fuel

Annual lifetime NF3 emissions from baseline system/fuel

Annual avoided Primary PM2.5 emissions in metric tons. Primary particles are emitted directly from a source, such as cons

Annual avoided Primary and Secondary PM2.5 emissions in metric tons. Primary particles are emitted directly from a sour

Annual avoided PM10 emissions in metric tons.

Annual avoided NO2 emissions in metric tons.

Annual avoided SO2 emissions in metric tons

Annual O3 emissions from baseline system/fuel

Annual avoided CO emissions in metric tons

Annual Pb emissions from baseline system/fuel

Annual avoided NH3 emissions in metric tons

Annual Avoided VOCs emissions in metric tons

Clean energy is energy from renewable natural resources that are replenished on a human timescale. Choose the picklist v

The nameplate capacity, sometimes also known as the "rated capacity" or "installed capacity," is the maximum output me

A ratio of the expected generation of electricity as compared to the maximum possible generation expressed as a percent

Clean energy storage is the storing of energy as electricity or heat and using it at a later time when clean energy is not bei

The maximum output of the energy storage device in kilowatts (or kW).

Enter the maximum volumetric energy output of the storage device measured in kilowatt-hours. One kilowatt-hour (kWh)

Cycle efficiency is the ratio of the electricity output to the electricity input into an energy storage device. If the energy stor

The time in seconds between when power is demanded from the energy storage project until it reaches an output at its ra

The length of time (in hours) that an energy storage project can deploy power to the grid before depletion exclusive of an

Projects that are directly connected to and draw all their power from renewable energy sources can answer this question

Choose the transmission project type from the picklist.

Estimated miles of transmission related lines upgraded or replaced.

The absolute percentage of change (e.g., 30% to 25% reported as 5%) resulting from the reduction of energy lost as a resu

Calculate net change in electricity energy consumption in kilowatt-hours (kWh) before the project came into service versu

Calculated net change in natural gas consumption (annually).

Net gallons/year of oil consumption changed by the energy efficiency technology deployed. Report a positive number for r

General description of efficiency measure adopted.

The number of stand alone air source heat pumps installed for a project.

The number of stand alone geothermal heat pumps installed for a project

The number of induction stoves installed for a project

The number of electric stoves installed for a project

The change in the average insulating material's resistance to conducting heat, represented as an R-factor, for a given proj

Choose the picklist value that corresponds to the EnergyStar building category for this project record.

Number of new net-zero buildings that meet the definition of Executive Order 14057. https://www.sustainability.gov/pdfs

Type of construction project such as new build, adaptive reuse, or refurbish.

The defined calculation methodology used to determine if the project meets the net-zero standards for the Greenhouse G

The total square footage of the property or properties impacted by the construction project. Square footage should includ

Count of vehicles deployed in a project that are of the same vehicle type.

Type of vehicle as defined by the Gross Vehicle Weight Rating of the vehicle type and/or its purpose-built operation (e.g.,

TBD - we are deciding how to handle tracking vehicle emissions - rolled up by class or by individial vehicle

https://www.epa.gov/greenvehicles/electric-plug-hybrid-electric-vehicles

Enter the 4 digit year (2014) of the baseline model replaced.

The model year of the vehicle replaced or the arithmetic average model year if multiple vehicles replaced.

If the old vehicles were demonstrably removed from all future operation (e.g., salvage, permanent destruction), select "Ye

Type of equipment (e.g., agricultural tractors)

Type of fuel used

Horsepower range of equipment (based on EPA standards)

Type of fuel used

Horsepower range of equipment (based on EPA standards)

The model year of the equipment replaced or the arithmetic average model year if multiple pieces of non-road equipment

Select Yes if the old pieces of equipment were destroyed or permanently removed from operation.

Alternative Fuels Data Center: Electric Vehicle Charging Stations (energy.gov)

Number of installed Level 1 Ports, where ports are defined as each connector with the ability to charge one vehicle at a tir

Number of installed Level 2 Ports, where ports are defined as each connector with the ability to charge one vehicle at a tir

Number of installed DC Fast Charge Ports, where ports are defined as each connector with the ability to charge one vehicl

Ratio of estimated total power output for vehicle charging versus maximum total power output for charging,

Select Yes if the station is accessible to the public without restrictions such as physical barriers, fees, required membership

Type of fuel replaced prior to implementing fuel switching technology.

Amount (in gallons/year) of baseline fuel consumed prior to implementing fuel switching technology.

CO2e emissions from baseline system/fuel

Type of alternative fuel switched to.

Estimated annualized fuel consumption.

Projected annual emissions from new fuel/system

Unit of measure based on the type of alternative fuel adopted.

Enter the estimated Renewable Natural Gas production per year in MMcf. Consult the EPA/AGSTAR handbook (https://ww

Choose the value which best represents the SOURCE methods to generate Renewable Natural Gas. See the EPA AGSTAR h

Choose the value which best represents the intended use of the Renewable Natural Gas. See the EPA AGSTAR handbook f

Acres of forest new or conserved.

Are forests new or conserved.

Choose the public funding source for this transaction within the project finance capital stack.

Define brightline between PUBLIC and PRIVATE funds; what about foundation grants, e.g.?

Define brightline between PUBLIC and PRIVATE funds; what about foundation grants, e.g.?

Define brightline between PUBLIC and PRIVATE funds; what about foundation grants, e.g.?

The loan-to-value metric highlights lending risk by calculating the ratio of two values: the numerator contains the loan am

Report the loan loss reserve requirement for the project finance transaction. Note that this field is only for project finance

Enter the end date for the grantee's or subgrantee's fiscal year.

Report the amount (dollar value) of the original loan principal provided in this transaction.

Select Yes if the project Is Subject to BABA Requirements as required in Pub. L. No. 117-58, §§ 70901

Select Yes if the project is covered by an EPA-Approved Waiver for the Build America, Buy America Act ("the Act"). Pub. L.

Select Program-wide for general EPA waivers (select waiver) or if a waiver is granted for a specific project, select project-sp

Select the specific BABA EPA Program level waiver.

Enter the title of the granted waiver.

Enter the date you received confirmation from and EPA project officer of waiver approval.

Enter the email of the EPA project officer who provided confirmation of waiver approval.
https://www.epa.gov/grants/davis-bacon-and-related-acts-dbra

https://www.dol.gov/agencies/whd/government-contracts/construction/faq/conformance
Select the ownership arrangement of asset. Refer to in 2 CFR § 200.1 and
https://www.nrel.gov/docs/fy23osti/86210.pdf

Enter the date the financial transaction occurred.

Optionally report the transaction ID that your organization's counterparty uses as its transaction ID.

Enter the project site address in the following fields. This field, Address Line 1, captures the primary data for an address an

Enter the project address in the following fields. This field, Address Line 2, captures the secondary data for an address usu

Choose the end beneficiary of the solar photovoltaic system.

This is the grant title from the grant application and the terms and conditions.

Enabling upgrades refer to infrastructure that are required to facilitate the installation of distributed generation or storage

Is the household being electrified for the first time?

Enter the dollar value of the expected Investment Tax Credit (ITC) into this field. See the DOE's website for more informati

This field records the upfront subsidy that reduces the upfront or starting principal balance and forms one type of subsidy

Choose the picklist value for the collateral pledged that secures the loan or other financial assistance product in the event

This is the date the project is placed in service or connected to the grid.

This field records the interconnection date or the date that the distributed generation or storage system was connected to

Enter the expected amount of "elective pay" often times called "direct pay" as a result of qualifying for the tax credit. Plea

Enter the name of the county where the project site is located.

Choose which type of subsidy applies in the case of the financial assistance reported in this record (or row). If the subsidy

Choose the resiliency measures implemented at the project site to ensure continuity of operations in case of emergency o

Enter the total monthly amount for the solar lease contract with the end recipient (the household which has the solar PV a

Indicate (Y/N) whether the financial assistance instrument, like a term loan, is delinquent by 30 days or less.

Indicate (Y/N) whether the financial assistance instrument, like a term loan, is delinquent by 31 to 60 days.

Indicate (Y/N) whether the financial assistance instrument, like a term loan, is delinquent by 61 to 90 days.

Indicate (Y/N) whether the financial assistance instrument, like a term loan, is delinquent by 91 days or more.

This field indicates whether a project is financing micromobility options as a simple Boolean value (yes or no). Micromobili

Number of micromobility vehicles deployed as part of a micromobility project.

Enter the duration in months for the solar lease.

Choose whether the solar lease contract described in "Solar Lease Monthly Amount" field is a fixed amount which does no

Enter the legal name of the lead project sponsor or developer. This name should match the subsequent field with the lead

Enter the first line of the legal address, including the house or building number and the street name, for the project spons

Enter the project sponsor or developer's legal address, including the interior numbering for a building, like a suite or unit r

Enter the city for the project sponsor or developer's legal address.

Enter the state or territory for the project sponsor or developer's legal address.

Enter the ZIP Code for the project sponsor or developer's legal address.

Enter the project sponsor or developer's tax identification number (or TIN) or the employer identification number (or EIN)

Enter the date the project is placed in service for the purposes of tax credit compliance with the US Treasury's Internal Rev

Enter the number of newly constructed housing units or apartments.

Enter the number of rehabilitated or adaptively reused units into this field.

Enter the total number of rental units that the building contains that received EPA funding through the Greenhouse Gas R

Enter the total number of housing units available for ownership, including cooperative housing units and land trust housin

Enter the number of housing units affordable to households with income at or less than 80 percent of Area Median Incom

Enter the number of housing units available to households at 81 percent of AMI or above.

Enter the sum of all private financing source for the project into this field. The sum of all private sources constitutes a subt

Choose the value from the picklist for this field that best describes the project financing stage.

Enter the total cost for the photovoltaic system, including all soft costs, like labor, licensing or permitting fees, and all hard

Enter the total cost of the photovoltaic panels (or modules) for the project, including any shipping and taxes paid to delive

Enter the cost for the inverter that is required to convert the current from the photovoltaic panels (direct current) to alter

Enter the remainder of the systems cost excluding the Photovoltaic Module Cost (DE297), the Inverter Cost (DE298), the Ir

Enter the interconnection costs for the photovoltaic or clean energy generation project.

Enter the permitting fees for the clean energy generation project.

Choose the solar panel type from the picklist values.

Enter the average annual idling hours per vehicle class in the fleet.

Enter the average annual hoteling hours per vehicle class in the fleet.

Enter the model year for the on-road vehicles.

Enter the model year of the new non-road vehicle or equipment.

If the existing diesel equipment uses a diesel exhaust fluid (DEF), indicate so in this field.

Enter the total dollars of public funding.

Enter the unique identifier for the financial assistance contract that the recipient (typically, the borrower) will use to ident

Enter the total cost for the enabling upgrades for the project.

Enter the total cost of all intangible and labor costs, including permitting and fees, into this field for project financed throu

Enter the subtotal for all tangible materials costs, including the cost or the assessed value of in-kind materials donations to

Enter the census block group for the project site. Block groups (BGs) are statistical divisions of census tracts, are generally

Enter the project site census block. The census block is the smallest bounded area of the decennial census that includes de

Enter the unique identifier for the project site. This field exists to cover projects with scattered sites.

This field contains the EPA unique identifier for the project site record and is distinct from the grantee's unique identifier f

The grantee's unique identifier used to record benefits calculations for greenhouse gas emissions reductions, jobs benefits

This field contains the EPA unique identifier for the benefit record for a particular project and is distinct from the grantee's

This optional data element data element serves to link projects for program beneficiaries that have multiple enabling tran

The unique identifier for the parent transaction of the child transaction.

Enter the unique building identifier (UBID) generated by the US EPA's Portfolio Manager system for buildings to track ener

List the number of vehicles that will be replaced.

Choose yes or no for whether the vehicle will use a managed charging strategy. Managed EV charging refers to the strateg

Enter the Boolean value for whether the replaced onroad vehicle is a result of shared mobility. Shared mobility is defined

Choose yes or no. Dispatchable batteries are sources of electricity that can respond to grid demands and release energy a

Annual avoided NOx emissions in metric tons

Annual avoided SOx emissions in metric tons

Lifetime avoided Carbon Dioxide Equivalent (CO2e) emissions in metric tons

Lifetime avoided Carbon Dioxide (CO2) emissions in metric tons

Lifetime avoided Methane (CH4) emissions in metric tons

Annual avoided N2O emissions in metric tons

Lifetime avoided Primary and Secondary PM2.5 emissions in metric tons. Primary particles are emitted directly from a sou

Lifetime avoided PM10 emissions in metric tons.

Lifetime avoided NO2 emissions in metric tons.

Lifetime avoided SO2 emissions in metric tons

Lifetime avoided CO emissions in metric tons

Lifetime avoided NH3 emissions in metric tons

Lifetime Avoided VOCs emissions in metric tons

Lifetime avoided NOx emissions in metric tons

Lifetime avoided SOx emissions in metric tons

Lifetime HFC emissions from baseline system/fuel

Lifetime PFC emissions from baseline system/fuel

Lifetime SF6 emissions from baseline system/fuel

Lifetime NF3 emissions from baseline system/fuel

Lifetime avoided Primary PM2.5 emissions in metric tons. Primary particles are emitted directly from a source, such as cor

Lifetime O3 emissions from baseline system/fuel

Lifetime Pb emissions from baseline system/fuel

Utility meters are devices to measure and record the consumption of utilities such as electricity, water, natural gas, and st

This is the system-generated date for all record modifications that occur.

The utility cost is the all-in end beneficiary bill including fixed and variable charges of all types.

This is the total energy (kWh) consumption that the end beneficiary is billed for

n.b. If the end beneficiary costs and benefits are fixed for project, net them in this row, and then do not enter any values i

Data source could include contractor models/estimates or PVWatts (qaulified industry standard solar model)

Solar compensation rate can be set at at the known net metering compensation rate if known, however the default assum

Enter the name of the utility provider for the end beneficiary, which can be done manually or using a prepopulated drop d

The all in (fixed and variable charges) utility rate for the end beneficiary will either be pulled based on the state and utility

The baseline energy consumption for the end beneficiary will either be pulled based on the state and locality selected or v

n.b. If the end beneficiary costs and benefits are fixed for project, net them in this row, and then do not enter any values i

Data source could include contractor models/estimates or PVWatts (qaulified industry standard solar model)

Solar compensation rate can be set at at the known net metering compensation rate if known, however the default assum

The rate at which utility energy costs are expected to rise year over year using either EIA Annual Energy outlook/Historical

The rate at which the solar production of the system that services the end beneficiary will degrade year over year reducing

The amount of energy (kWh) generated from solar in year 1 of operation. This will be used to estimate future year energy

This would inclue loan principle, down payment, financial transaction costs, closing costs, etc. We assume that tax benefit

Incentives provided to the beneficiary on a regular schedule that is expected to be offered for multiple years up to the life

Solar compensation rate can be set at at the known net metering compensation rate if known, however the default assum

Choose the picklist value that corresponds to the calculation method for the household utility bill savings.

Select the AVERT region from picklist. For more information on AVERT regions, see here: https://www.epa.gov/avert/aver

Projected percentage in energy efficiency improvement. Positive value corresponds to an energy efficiency improvement.

Baseline Average Annual Energy Consumption in kWh

Input of EPA GGRF Calculator.
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Input of EPA GGRF Calculator.
Input of EPA GGRF Calculator. A positive value indicates improved efficiency.
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Enter the count of EVSE chargers for the charger type and utilization level (i.e. the charger's expected load factor). "Load f
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Output of EPA GGRF Calculator.
Chose the best description of the old building type prior to reuse.
Choose whether the prime or subrecipient has bought ("BUY") or sold ("SELL") a financial instrument or instruments throu
Placeholder for a factors-based approach for Household Savings and GHG Calculators.
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Picklist Va	Definition	Data Type	Format	Unit of Measure	Range - Lower Limit
CCIA;NCIF;SFA Solar f		Picklist	Not applicable	Not applicable	
Not applic	Not applic	String	TEST ENVIRONMENTAL	Not applicable	
Not applic	Not applic	String	0X00000000	Not applicable	
Not applic	Not applic	String	SAMUEIDTEST01	Not applicable	
Not applic	Not applic	String		Not applicable	
Not applic	Not applic	String	EPA-TEST-GUID-2024-X	Not applicable	
Not applic	Not applic	String		Not applicable	
Not applic	Not applic	String	12-3456789	Not applicable	
Not applic	Not applic	String	EPA-TEST-GUID-2024-X	Not applicable	
Not applic	Not applic	Date	YYYY-MM-DD	Not applicable	
Not applic	Not applic	Date	YYYY-MM-DD	Not applicable	
SUBAWAR		Picklist	Not applicable	Not applicable	
ASSET; PR		Picklist	Not applicable	Not applicable	
TERM; LOC		Picklist	Not applicable	Not applicable	
Not applic	Not applic	String	Comment field that tells	Not applicable	
Not applicable		Currency	1000.00	USD	
Not applicable		Currency	1000.00	USD	
ACTIVE; PA		Picklist	Not applicable	Not applicable	
Not applic	Not applic	String	United States Bank of B	Not applicable	
SUB-OTHER;		Picklist	Not applicable	Not applicable	
Not applic	Not applic	String	12-3456789	Not applicable	
Not applicable		Currency	1000.00	USD	
Not applic	Not applic	Percent	1.234	%	0
FIXED; ADJ; OTHER		Picklist	Not applicable	Not applicable	
Not applic	Not applic	Percent	3.1234	%	0
Not applic	Not applic	Number	1.25	points	0
Not applicable		Currency	1000.00	USD	
FULLAMOF		Picklist	Not applicable	Not applicable	
CONVDEBT; PERFINT;		Picklist	Not applicable	Not applicable	
Not applicable		Currency	1000.00	USD	
Not applic	Not applic	Number	240	months	0
SBA; USDA		Picklist	Not applicable	Not applicable	
YES; YEST		Picklist	Not applicable	Not applicable	
Not applicable		Currency	1000.00	USD	
Not applic	Not applic	String	not applicable	Not applicable	
Not applic	Not applic	String	522298	Not applicable	
YES; NO; DO NOT KN		Picklist	Not applicable	Not applicable	
Not applic	Not applic	Date	2024-05-11 04:12:57	Not applicable	
Not applic	Not applic	String		Not applicable	
Not applic	Not applic	String	EPA-PROJECTID-TEST-0C	Not applicable	
Not applic	Not applic	String	Super Awesome Test Pr	Not applicable	
Not applic	Not applic	String	This project leverages	Not applicable	
CLEANENERGY; BUILL		Picklist	Not applicable	Not applicable	
GENERATION; STORA		Picklist	Not applicable	Not applicable	
NEWPRODUCT;		Picklist	Not applicable	Not applicable	
Not applic	Not applic	String	This grant supports trai	Not applicable	
STARTED; COMPLETE		Picklist	Not applicable	Not applicable	

Not applic Not applic	String	not applicable	Not applicable	
Not applic Not applic	Number	60	months	0
Not applic Not applic	String	New York	Not applicable	
Two character state c	Picklist	Not applicable	Not applicable	
Not applic Not applic	Number	10005	not applicable	1
Not applic Not applic	String	36061031703	Not applicable	
2010; 2020	Picklist	Not applicable	Not applicable	
Not applic Not applic	Number	-74.01506	decimal degrees	-180
Not applic Not applic	Number	40.71166	decimal degrees	-90
	Picklist	Not applicable	Not applicable	
CEJST; EJS	Picklist	Not applicable	Not applicable	
YES; NO	Boolean	Not applicable	Not applicable	
YES; NO	Boolean	Not applicable	Not applicable	
Not applicable	Currency	1000.00	USD	
CEEE; TRANSP; ZERO	Picklist	Not applicable	Not applicable	
Not applic Not applic	Number	1000	Households	0
Not applicable	Currency	1000.00	USD	
UTILITYBILLSAVINGS	Picklist	Not applicable	Not applicable	
Not applic Not applic	Number	1000	Jobs	0
Not applic Not applic	Number	1000	Jobs	0
NEWFINAN	Picklist	Not applicable	Not applicable	
Not applic Not applic	String	not applicable	Not applicable	
PROJECT EMPLOYER I	Picklist	Not applicable	Not applicable	
YES; NO	Boolean	Not applicable	Not applicable	
Not applicable	Currency	1000.00	USD	
Not applic Not applic	Number	49.25000	ton (metric)	0
Not applic Not applic	Number	4.25000	ton (metric)	0
Not applic Not applic	Number	0.00425	ton (metric)	0
Not applic Not applic	Number		ton (metric)	
Not applic Not applic	Number	1000.12345	ton (metric)	0
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Not applic Not applic	Number		ton (metric)	
Not applic Not applic	Number	1000.12345	ton (metric)	0
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Not applic Not applic	Number	0.00450	ton (metric)	0
Not applic Not applic	Number	0.00425	ton (metric)	0
Not applic Not applic	Number		ton (metric)	
Not applic Not applic	Number	4.25000	ton (metric)	0
Not applic Not applic	Number		ton (metric)	
Not applic Not applic	Number	0.00425	ton (metric)	0
Not applic Not applic	Number	0.00425	ton (metric)	0
SOLAR; WIND; HYDR	Picklist	Not applicable	Not applicable	
Not applic Not applic	Number	400	kilowatts (kW)	0
Not applic Not applic	Percent	0.99	%	0.01
BATTERIES; FLYWHEE	Picklist	Not applicable	Not applicable	
Not applic Not applic	Number	100.00	kilowatts (kW)	

Not applic	Not applic	Number	100.00	kilowatt-hours (kWh)	
Not applic	Not applic	Percent	0.15	%	0.01
Not applic	Not applic	Number	20	seconds	0
Not applic	Not applic	Number	100	hour	0
YES; NO		Boolean	Not applicable	Not applicable	
RECONDU(		Picklist	Not applicable	Not applicable	
Not applic	Not applic	Number	1000	mile	0
Not applic	Not applic	Percent	25	%	0.01
Not applic	Not applic	Number	1000	kilowatt-hours (kWh)	
Not applic	Not applic	Number	1000	million cubic feet (MMcf)	
Not applic	Not applic	Number	1000	gallon	
Not applic	Not applic	Number	1000	gallon	
INSULATION; NEW W		Picklist	Not applicable	Not applicable	
Not applic	Not applic	Number	1000	Air Source Heat Pumps	0
Not applic	Not applic	Number	1000	Geothermal Heat Pumps	0
Not applic	Not applic	Number	1000	Induction Stoves	0
Not applic	Not applic	Number	1000	electric stovetop	0
Not applic	Not applic	Number	5	R-value	0
RESIDENTI		Picklist	Not applicable	Not applicable	
Not applic	Not applic	Number	1000	buildings	0
EEWEATHERIZATION;		Picklist	Not applicable	Not applicable	
Picklist TBD		Picklist	Not applicable	Not applicable	
Not applic	Not applic	Number	5000000	square feet	0
Not applic	Not applic	Number	1000	Vehicles	0
GASOLINE MOTORCY		Picklist	Not applicable	Not applicable	
BEV;PHEV;FCEV		Picklist	Not applicable	Not applicable	
BEV; PHEV; FCEV		Picklist	Not applicable	Not applicable	
Not applic	Not applic	Date	1990	Not applicable	
YES; NO		Boolean	Not applicable	Not applicable	
AERIAL LIFTS; AGRI		Picklist	Not applicable	Not applicable	
DIESEL; GASOLINE; N		Picklist	Not applicable	Not applicable	
<11 hp; 11-25 hp; 26-		Picklist	Not applicable	horsepower	
BEV; PHEV; FCEV		Picklist	Not applicable	Not applicable	
<11 hp; 11-25 hp; 26-		Picklist	Not applicable	horsepower	
Not applic	Not applic	Date	1990	Not applicable	
YES; NO		Boolean	Not applicable	Not applicable	
Not applic	Not applic	Number	100	EVSE ports	0
Not applic	Not applic	Number	100	EVSE ports	0
Not applic	Not applic	Number	100	EVSE ports	0
Not applic	Not applic	Number	100	EVSE ports	0
Not applic	Not applic	Percent	0.99	%	0.01
YES; NO		Boolean	Not applicable	Not applicable	
GASOLINE;Not applic		Picklist		Not applicable	
Not applic	Not applic	Number	1000	gallon	0
Not applic	Not applic	Number		ton (metric)	0
BIODIESEL;ELECTRIC		Picklist	Not applicable	Not applicable	
Not applic	Not applic	Number	multi-unit		
Not applic	Not applic	Number		ton (metric)	0

	Type	Value	Unit	
TBD				
	Picklist	Not applicable	Not applicable	
Not applic Not applic	Number	1000	million cubic feet (MMcf)	
Picklist TBD	Picklist	Not applicable	Not applicable	
BOILER-FURNACE FUE	Picklist	Not applicable	Not applicable	
Not applic Not applic	Number	100000	acre	0
NEW; CONSERVED	Picklist	Not applicable	Not applicable	
FEDERAL; STATE; LO	Picklist	Not applicable	Not applicable	
Not applicable	Currency	1000.00	USD	
TBD	Picklist	1000.00	Not applicable	
Not applicable	Currency	1000.00	USD	
Not applic Not applic	Percent	150	%	
Not applicable	Currency	1000.00	USD	
Not applic Not applic	Date	YYYY-MM-DD	Not applicable	
Not applicable	Currency	1000.00	USD	
YES; NO	Boolean	Not applicable	Not applicable	
YES; NO	Boolean	Not applicable	Not applicable	
	Picklist	Not applicable	Not applicable	
EPA DE-MINIMIS GEN	Picklist	Not applicable	Not applicable	
Not applic Not applic	String	not applicable	Not applicable	
Not applic Not applic	Date	YYYY-MM-DD	Not applicable	
Not applic Not applic	String	not applicable	Not applicable	
YES; NO	Boolean	Not applicable	Not applicable	
BUILDING	Picklist	Not applicable	Not applicable	
UTILITY-	Picklist	Not applicable	Not applicable	
Not applic Not applic	Date	YYYY-MM-DD	Not applicable	
Not applic Not applic	String	not applicable	Not applicable	
Not applic Not applic	String	123 North Street	Not applicable	
Not applic Not applic	String	PO 51	Not applicable	
SINGLEFAN	Picklist	Not applicable	Not applicable	
Not applic Not applic	String	NEBRASKA SOLAR FOR /	Not applicable	
PANELUPG	Picklist	Not applicable	Not applicable	
YES; NO	Boolean	Not applicable	Not applicable	
Not applicable	Currency	1000.00	USD	
Not applicable	Currency	1000.00	USD	
ASSET; FIRSTMORTGA	Picklist	Not applicable	Not applicable	
YES; NO	Boolean	Not applicable	Not applicable	
Not applic Not applic	Date	YYYY-MM-DD	Not applicable	
Not applic Not applic	Date	YYYY-MM-DD	Not applicable	
Not applicable	Currency	1000.00	USD	
	Picklist	Not applicable	Not applicable	
UPFRONT; SUBSCRIPT	Picklist	Not applicable	Not applicable	
STORAGEABOVEFLOC	Picklist	Not applicable	Not applicable	
Not applicable	Currency	1000.00	USD	
YES; NO	Boolean	YES	Not applicable	
YES; NO	Boolean	YES	Not applicable	
YES; NO	Boolean	YES	Not applicable	
YES; NO	Boolean	YES	Not applicable	
YES; NO	Boolean	Not applicable	Not applicable	

Not applic	Not applic	Number	567	vehicles	0
Not applic	Not applic	Number	360	months	0
VARIABLE	FIXEDMON	Picklist	Not applicable	Not applicable	
Not applic	Not applic	String	not applicable	Not applicable	
Not applic	Not applic	String	not applicable	Not applicable	
Not applic	Not applic	String	not applicable	Not applicable	
Not applic	Not applic	String	not applicable	Not applicable	
		Picklist	Not applicable	Not applicable	
Not applic	Not applic	Number	12345	Not applicable	0
Not applic	Not applic	String	12-3456789	Not applicable	
Not applic	Not applic	Date	YYYY-MM-DD	Not applicable	
Not applic	Not applic	Number	1000	housing unit	0
Not applic	Not applic	Number	65	housing unit	0
Not applic	Not applic	Number	1000	housing unit	0
Not applic	Not applic	Number	100	housing unit	0
Not applic	Not applic	Number	50	housing unit	0
Not applic	Not applic	Number	150	housing unit	
Not applicable		Currency	1000.00	USD	
PREDEVELOPEMENT;		Picklist	Not applicable	Not applicable	
Not applicable		Currency	1000.00	USD	
Not applicable		Currency	1000.00	USD	
Not applicable		Currency	1000.00	USD	
Not applicable		Currency	1000.00	USD	
Not applicable		Currency	1000.00	USD	
Not applicable		Currency	1000.00	USD	
		Picklist	Not applicable	Not applicable	
Not applic	Not applic	Number	1000	hour	
Not applic	Not applic	Number	1000	hour	
Not applic	Not applic	Date	YYYY	Not applicable	
Not applic	Not applic	Date	YYYY	Not applicable	
YES; NO		Boolean	Not applicable	Not applicable	
Not applicable		Currency	1000.00	USD	
Not applic	Not applic	String		Not applicable	
Not applicable		Currency	1000.00	USD	
Not applicable		Currency	1000.00	USD	
Not applicable		Currency	1000.00	USD	
Not applic	Not applic	Number	3000	Not applicable	
Not applic	Not applic	Number	1000	Not applicable	
Not applic	Not applic	String	SITEIDENTIFIER	Not applicable	
Not applic	Not applic	String	EPA-SITE-GUID	Not applicable	
Not applic	Not applic	String		Not applicable	
Not applic	Not applic	String		Not applicable	
Not applic	Not applic	String		Not applicable	
Not applic	Not applic	String		Not applicable	
Not applic	Not applic	String		Not applicable	
Not applic	Not applic	Number	425	vehicles	0
YES; NO		Boolean	Not applicable	Not applicable	
YES; NO		Boolean	Not applicable	Not applicable	

	Type	Value	Unit	
YES; NO	Boolean	Not applicable	Not applicable	
Not applic Not applic	Number	0.00425	ton (metric)	0
Not applic Not applic	Number	0.00425	ton (metric)	0
YES;NO	Boolean	Not applicable	Not applicable	
Not applic Not applic	Number	4925.00000	ton (metric)	0
Not applic Not applic	Number	492.50000	ton (metric)	0
Not applic Not applic	Number	4.92500	ton (metric)	0
Not applic Not applic	Number	1000.12345	ton (metric)	0
Not applic Not applic	Number	1000.12345	ton (metric)	0
Not applic Not applic	Number	1000.12345	ton (metric)	0
Not applic Not applic	Number	0.00450	ton (metric)	0
Not applic Not applic	Number	0.00425	ton (metric)	0
Not applic Not applic	Number	4.25000	ton (metric)	0
	Number		ton (metric)	
Not applic Not applic	Number	0.00425	ton (metric)	0
Not applic Not applic	Number	0.00425	ton (metric)	0
Not applic Not applic	Number	0.00425	ton (metric)	0
Not applic Not applic	Number	0.00425	ton (metric)	0
Not applic Not applic	Number		ton (metric)	
Not applic Not applic	Number		ton (metric)	
Not applic Not applic	Number		ton (metric)	
Not applic Not applic	Number		ton (metric)	
Not applic Not applic	Number	1000.12345	ton (metric)	0
Not applic Not applic	Number		ton (metric)	
Not applic Not applic	Number		ton (metric)	
MASTERM	Picklist	Not applicable	Not applicable	
Not applic Not applic	Date	2024-05-11 04:12:57	Not applicable	
Not applicable	Currency	1000.00	USD	
Not applic Not applic	Number		kilowatt-hours (kWh)	
Not applicable	Currency	1000.00	USD	
Not applic Not applic	Number		kilowatt-hours (kWh)	
Not applicable	Currency	1000.00	USD	
TBD Not applic	Picklist		Not applicable	
Not applicable	Currency	1000.00	USD	
Not applic Not applic	Number		kilowatt-hours (kWh)	
Not applicable	Currency	1000.00	USD	
Not applic Not applic	Number		kilowatt-hours (kWh)	
Not applicable	Currency	1000.00	USD	
Not applic Not applic	Percent	0.14	%	
Not applic Not applic	Percent	0.59	%	0.01
Not applic Not applic	Number		kilowatt-hours (kWh)	
Not applicable	Currency	1000.00	USD	
Not applicable	Currency	1000.00	USD	
Not applicable	Currency	1000.00	USD	
Single Year Savings M	Picklist	Not applicable	Not applicable	
CALIFORNI For a defin	Picklist	Not applicable	Not applicable	
Not applic Not applic	Percent	0.04	%	-0.99
Not applic Not applic	Number	11000	kilowatt-hours (kWh)	0

SEER; HSPF; EER; EF	Picklist	Not applicable		
Not applic Not applic:	Number	16	BTU/watt-hr	0
SEER; HSPF; EER; EF	Picklist	Not applicable		
YES; NO	Boolean	Not applicable	Not applicable	
Not applic Not applic:	Number	6	BTU/watt-hr	0
Not applic Not applic:	Number	2000	hour	0
Not applic Not applic:	Number	500	watts (W)	0
Not applic Not applic:	Number	6000	kilowatt-hours (kWh)	0
EF - Electric - Heat Pu	Picklist	Not applicable		
GAS; PROPANE; OIL;	Picklist	Not applicable		
Not applic Not applic:	Number	9	BTU/watt-hr	0
EF – ELECTRIC; EF – G	Picklist	Not applicable		
Not applic Not applic:	Percent		%	0
YES; NO	Boolean	Not applicable	Not applicable	
Not applic Not applic:	Number	9	BTU/watt-hr	0
Not applic Not applic:	Number	6000	kilowatt-hours (kWh)	0
EF - Electric - Heat Pu	Picklist	Not applicable		
GAS; PROPANE; OIL	Picklist	Not applicable		
Not applic Not applic:	Number	15	BTU/watt-hr	0
Not applic Not applic:	Number	6	refrigerators	0
Not applic Not applic:	Number		kilowatt-hours (kWh)	
YES; NO	Boolean	Not applicable	Not applicable	
Not applic Not applic:	Percent		%	
HEATING; COOLING;	Picklist	Not applicable		
YES; NO	Boolean	Not applicable	Not applicable	
YES; NO	Boolean	Not applicable	Not applicable	
Not applic Not applic:	Number		miles per gallon	
YES; NO	Boolean	Not applicable	Not applicable	
Not applic Not applic:	Number		mile	
RESOLD FOR CONTIN	Picklist	Not applicable		
Not applic Not applic:	Number		Year	2019
YES; NO	Boolean	Not applicable	Not applicable	
YES; NO	Boolean	Not applicable	Not applicable	
YES; NO	Boolean	Not applicable	Not applicable	
Not applic Not applic:	Number		Year	1955
Not applic Not applic:	Number		Quantity	
Not applic Not applic:	Number		horsepower	0
Not applic Not applic:	Number		Year	2019
Not applic Not applic:	Number		ZIP Code	1
RESOLD FOR CONTIN	Picklist	Not applicable		
CHARGING ONLY; WA	Picklist	Not applicable		
Not applic Not applic:	Number		EV Chargers	0
Not applic Not applic:	Number		EV Chargers	0
Not applic Not applic:	Number		EV Chargers	0
Not applic Not applic:	Number		EV Chargers	0
Not applic Not applic:	Number		EV Chargers	0
Not applic Not applic:	Number		EV Chargers	0
Not applic Not applic:	Number		Quantity	

Not applic	Not applic	Number		Quantity
Not applic	Not applic	Number		Quantity
YES; NO		Boolean	Not applicable	Not applicable
Not applic	Not applic	Number		ton (metric)
Not applic	Not applic	Number		Quantity
YES; NO		Boolean	Not applicable	Not applicable
Not applic	Not applic	Number		miles/week/person
Not applic	Not applic	Number		ton (metric)
Not applic	Not applic	Number		ton (metric)
Not applic	Not applic	Number		ton (metric)
Not applic	Not applic	Number		ton (metric)
Not applic	Not applic	Number		ton (metric)
Not applic	Not applic	Number		ton (metric)
Not applic	Not applic	Number		ton (metric)
RESIDENTIAL	MULTIF/	Picklist	Not applicable	Not applicable
BUY; SELL; NA		Picklist		Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable
		Picklist	Not applicable	Not applicable

Range - Upper Limit	Flat File Name
	0-Award
	0-Award
	0-Award;#1-Transaction
	0-Award
	1-Transaction;#2-Project
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	0-Award
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
99	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
600	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	0-Award;#1-Transaction;#2-Project;#3-Benefits;#5-Project Site
	2-Project
	2-Project
	1-Transaction;#2-Project
	2-Project
	2-Project
	2-Project
	1-Transaction;#2-Project;#5-Project Site
	2-Project
	2-Project

	2-Project
1200	2-Project
	5-Project Site
	5-Project Site
99999	5-Project Site
	5-Project Site
	5-Project Site
180	5-Project Site
90	5-Project Site
	5-Project Site
	1-Transaction;#2-Project
	2-Project
	2-Project
	1-Transaction;#2-Project
	2-Project
10000	2-Project
	2-Project
	2-Project
20000	2-Project
15000	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
2000	3-Benefits
2000	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
15	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	2-Project
10000	2-Project
0.99	2-Project
	2-Project
	2-Project

	2-Project
0.99	2-Project
300	2-Project
1000	2-Project
	2-Project
	2-Project
2000	2-Project
0.99	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
20000	2-Project
20000	2-Project
20000	2-Project
20000	2-Project
30	2-Project
	2-Project
25000	2-Project
	2-Project
	2-Project
999999	2-Project
25000	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
25000	2-Project
25000	2-Project
25000	2-Project
25000	2-Project
0.99	2-Project
	2-Project
	2-Project
10000	2-Project
	2-Project
	2-Project
	2-Project
	2-Project

	2-Project
	2-Project
	2-Project
	2-Project
1000000	2-Project
	2-Project
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	0-Award
	1-Transaction
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	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
	1-Transaction
	1-Transaction
	5-Project Site
	5-Project Site
	2-Project
	0-Award
	2-Project
	2-Project
	1-Transaction
	1-Transaction
	1-Transaction
	5-Project Site
	2-Project
	2-Project
	1-Transaction
	5-Project Site
	1-Transaction
	2-Project
	2-Project
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	2-Project

5000	2-Project
600	2-Project
	2-Project
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
	1-Transaction
99999	1-Transaction
	1-Transaction
	2-Project
25000	2-Project
25000	2-Project
25000	2-Project
25000	2-Project
25000	2-Project
	2-Project
	1-Transaction
	1-Transaction
	2-Project
	2-Project
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	2-Project
	2-Project
	2-Project
	2-Project
	1-Transaction
	1-Transaction
	2-Project
	2-Project
	2-Project
	5-Project Site
	5-Project Site
	5-Project Site
	5-Project Site
	3-Benefits
	3-Benefits
	1-Transaction
	1-Transaction
	5-Project Site
5000	2-Project
	2-Project
	2-Project

	2-Project
	3-Benefits
	3-Benefits
	2-Project
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
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	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
15	3-Benefits
	3-Benefits
	3-Benefits
	2-Project
	0-Award;#1-Transaction;#2-Project;#3-Benefits;#5-Project Site
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
0.1	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	3-Benefits
	2-Project
0.99	2-Project
	2-Project

	2-Project
	2-Project
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	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
	2-Project
99999	2-Project
	2-Project
	2-Project
1000	2-Project
1000	2-Project
1000	2-Project
1000	2-Project
1000	2-Project
1000	2-Project
	2-Project

2-Project
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2-Project
2-Project
3-Benefits
3-Benefits
3-Benefits
3-Benefits
3-Benefits
3-Benefits
3-Benefits
2-Project
1-Transaction
5-Project Site
5-Project Site
5-Project Site
5-Project Site
5-Project Site
5-Project Site
5-Project Site
5-Project Site
5-Project Site
5-Project Site
5-Project Site
5-Project Site
5-Project Site
5-Project Site
5-Project Site
5-Project Site
5-Project Site
5-Project Site

Data Grouping(s)
0-Grant Recipient
0-Grant Recipient
0-Grant Recipient
0-Grant Recipient
1-Transaction
1-Transaction
1-Transaction
1-Transaction
1-Transaction
1-Transaction-Financial Product
0-Grant Recipient
1-Transaction
1-Transaction-Financial Product
1-Transaction-Financial Product
1-Transaction-Financial Product
1-Transaction
1-Transaction
1-Transaction-Financial Product;#FinancialProductStatusFields
1-Transaction
1-Transaction
1-Transaction
1-Transaction-Financial Product;#FinancialProductStatusFields
1-Transaction-Financial Product
1-Transaction-Financial Product
1-Transaction-Financial Product
1-Transaction-Financial Product
1-Transaction-Financial Product
1-Transaction-Financial Product
1-Transaction-Financial Product
1-Transaction-Financial Product
1-Transaction-Financial Product
1-Transaction-Financial Product
1-Transaction-Financial Product
1-Transaction-Financial Product
2-Beneficiary-Borrower
2-Beneficiary-Borrower
3-Project
TAPS-Metadata
3-Project
3-Project
3-Project
3-Project
3-Project
3-Project
3-Project
3-Project
Longitudinal-Data-Project-Status

Longitudinal-Data-Project-Status

3-Project

Address-Data

Address-Data

Address-Data

3-Project

3-Project

3-Project

3-Project

3-Project

3-Project

3-Project

3-Project

3-Project

3-Project

4-Benefits-Community

4-Benefits-Community

4-Benefits-Community

4-Benefits-Community

4-Benefits-Community

4-Benefits-Community

4-Benefits-Community

4-Benefits-Community

4-Benefits-Community

4-Benefits-Community

4-Benefits-Community

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

3-Project-1-Clean Energy Project;#3-Project

3-Project-1-Clean Energy Project

3-Project-1-Clean Energy Project

3-Project-1-Clean Energy Project;#3-Project

3-Project-1-Energy Storage

3-Project-1-Energy Storage

3-Project-1-Energy Storage

3-Project-1-Energy Storage

3-Project-1-Energy Storage

3-Project-1-Energy Storage

3-Project-1-Clean Energy Project;#3-Project

3-Project-1-Transmission

3-Project-1-Transmission

3-Project-2-Energy Efficiency

3-Project-2-Energy Efficiency

3-Project-2-Energy Efficiency

3-Project-2-Energy Efficiency

3-Project-2-Energy Efficiency

3-Project-2-Home Efficiency

3-Project-2-Home Efficiency

3-Project-2-Home Efficiency

3-Project-2-Home Efficiency

3-Project-2-Home Efficiency

3-Project;#3-Project-2-Building Details

3-Project-2-Building Details

3-Project;#3-Project-2-Building Details

3-Project;#3-Project-2-Building Details

3-Project-2-Building Details

3-Project-3-On-Road Vehicles

3-Project;#3-Project-3-Fuel Switching;#3-Project-3-Non-Road Equipment;#3-Project-3-On-R

3-Project;#3-Project-3-Fuel Switching;#3-Project-3-Non-Road Equipment;#3-Project-3-On-R

3-Project;#3-Project-3-Fuel Switching;#3-Project-3-Non-Road Equipment;#3-Project-3-On-R

3-Project-3-On-Road Vehicles

3-Project-3-On-Road Vehicles

3-Project;#3-Project-3-Fuel Switching;#3-Project-3-Non-Road Equipment;#3-Project-3-On-R

3-Project;#3-Project-3-Fuel Switching;#3-Project-3-Non-Road Equipment;#3-Project-3-On-R

3-Project;#3-Project-3-Fuel Switching;#3-Project-3-Non-Road Equipment;#3-Project-3-On-R

3-Project;#3-Project-3-Fuel Switching;#3-Project-3-Non-Road Equipment;#3-Project-3-On-R

3-Project;#3-Project-3-Fuel Switching;#3-Project-3-Non-Road Equipment;#3-Project-3-On-R

3-Project-3-Non-Road Equipment

3-Project-3-Non-Road Equipment

3-Project-3-Charging Infrastructure

3-Project-3-Charging Infrastructure

3-Project-3-Charging Infrastructure

3-Project-3-Charging Infrastructure

3-Project-3-Charging Infrastructure

3-Project-3-Charging Infrastructure

3-Project-3-Fuel Switching

3-Project-3-Fuel Switching

3-Project-3-Fuel Switching

3-Project;#3-Project-3-Fuel Switching;#3-Project-3-Non-Road Equipment;#3-Project-3-On-R

3-Project-3-Fuel Switching

3-Project-3-Fuel Switching

3-Project;#3-Project-3-Fuel Switching;#3-Project-3-Non-Road Equipment;#3-Project-3-On-R

3-Project-Other-Methane Recovery

3-Project-Other-Methane Recovery

3-Project-Other-Methane Recovery

3-Project-Other-Foresty

3-Project-Other-Foresty

1-Transaction-Financial Product

1-Transaction-Financial Product

1-Transaction-Financial Product

1-Transaction-Financial Product

1-Transaction-Financial Product;#FinancialProductStatusFields

1-Transaction-Financial Product

0-Grant Recipient

1-Transaction-Financial Product

4-Benefits-BABA

4-Benefits-BABA

4-Benefits-BABA

4-Benefits-BABA

4-Benefits-BABA

4-Benefits-BABA

4-Benefits-BABA

4-Benefits-DBRA

4-Benefits-DBRA

3-Project

1-Transaction

1-Transaction

Address-Data

Address-Data

3-Project

0-Grant Recipient

3-Project;#3-Project-1-Clean Energy Project;#3-Project-1-Energy Storage;#3-Project-1-Trans

4-Benefits-SFA

1-Transaction-Financial Product

1-Transaction-Financial Product

1-Transaction-Financial Product

3-Project

Longitudinal-Data-Project-Status

Longitudinal-Data-Project-Status

1-Transaction-Financial Product

Address-Data

1-Transaction-Financial Product

3-Project

3-Project-1-Clean Energy Project;#3-Project-1-Energy Storage

1-Transaction-Financial Product;#FinancialProductStatusFields

1-Transaction-Financial Product;#FinancialProductStatusFields

1-Transaction-Financial Product;#FinancialProductStatusFields

1-Transaction-Financial Product;#FinancialProductStatusFields

3-Project-3-On-Road Vehicles

3-Project-3-On-Road Vehicles

3-Project-1-Clean Energy Project;#3-Project-1-Energy Storage

3-Project-1-Clean Energy Project;#3-Project-1-Energy Storage

3-Project;#Project-Sponsor-Fields

Address-Data

Address-Data

Address-Data

Address-Data

Address-Data

3-Project;#Project-Sponsor-Fields

Longitudinal-Data-Project-Status

3-Project;#3-Project-2-Building Details

3-Project;#3-Project-2-Building Details

3-Project;#3-Project-2-Building Details

3-Project;#3-Project-2-Building Details

3-Project;#3-Project-2-Building Details

3-Project;#3-Project-2-Building Details

1-Transaction-Financial Product

1-Transaction

3-Project-1-Clean Energy Project;#3-Project-1-Energy Storage

3-Project-1-Clean Energy Project;#3-Project-1-Energy Storage

3-Project-1-Clean Energy Project;#3-Project-1-Energy Storage

3-Project-1-Clean Energy Project;#3-Project-1-Energy Storage

3-Project-1-Energy Storage;#3-Project-2-Building Details

3-Project-1-Clean Energy Project;#3-Project-1-Energy Storage

3-Project-1-Clean Energy Project

3-Project-3-On-Road Vehicles

3-Project-3-On-Road Vehicles

3-Project-3-On-Road Vehicles

3-Project-3-Non-Road Equipment

3-Project-3-Non-Road Equipment;#3-Project-3-On-Road Vehicles

1-Transaction-Financial Product

1-Transaction-Financial Product

3-Project-1-Clean Energy Project;#3-Project-1-Energy Storage

3-Project

3-Project

5-Geospatial-Data;#Census-Data

5-Geospatial-Data;#Census-Data

Unique-Identifiers

Unique-Identifiers

4-Benefits

4-Benefits

1-Transaction;#1-Transaction-Financial Product

1-Transaction;#1-Transaction-Financial Product

3-Project-2-Building Details

3-Project-3-On-Road Vehicles;#3-Project-3-Non-Road Equipment

3-Project-3-On-Road Vehicles

3-Project-3-On-Road Vehicles

3-Project-1-Energy Storage

4-Benefits-Emissions

4-Benefits-Emissions

3-Project-1-Clean Energy Project

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

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4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-Emissions

4-Benefits-SFA;#4-Benefits-Household-Savings

TAPS-Metadata

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA;#4-Benefits-Household-Savings

4-Benefits-SFA

3-Project-1-Clean Energy Project

3-Project-2-Energy Efficiency;#3-Project-2-Home Efficiency

3-Project-2-Energy Efficiency;#3-Project-2-Home Efficiency

3-Project-2-Energy Efficiency

3-Project-2-Energy Efficiency

3-Project-2-Energy Efficiency

3-Project-2-Energy Efficiency

3-Project-2-Energy Efficiency

3-Project-2-Home Efficiency;#3-Project-2-Energy Efficiency

3-Project-2-Home Efficiency;#3-Project-2-Energy Efficiency

3-Project-2-Energy Efficiency

3-Project-2-Energy Efficiency;#3-Project-2-Home Efficiency

3-Project-2-Energy Efficiency

3-Project-2-Energy Efficiency;#Water-Heater-Data

3-Project-2-Energy Efficiency;#Water-Heater-Data

3-Project-2-Energy Efficiency;#3-Project-2-Home Efficiency

3-Project-2-Energy Efficiency;#Water-Heater-Data

3-Project-2-Energy Efficiency;#Water-Heater-Data

3-Project-2-Energy Efficiency;#Water-Heater-Data

3-Project-2-Energy Efficiency;#Water-Heater-Data

3-Project-2-Energy Efficiency;#Water-Heater-Data

3-Project-2-Energy Efficiency;#3-Project-2-Home Efficiency

3-Project-2-Energy Efficiency;#3-Project-2-Home Efficiency

3-Project-2-Energy Efficiency;#3-Project-2-Home Efficiency

3-Project-2-Energy Efficiency;#3-Project-2-Home Efficiency

3-Project-2-Energy Efficiency;#3-Project-2-Home Efficiency

3-Project-2-Energy Efficiency;#3-Project-2-Home Efficiency

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Non-Road Equipment

3-Project-3-Non-Road Equipment

3-Project-3-Non-Road Equipment

3-Project-3-Non-Road Equipment

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Non-Road Equipment

3-Project-2-Building Details

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Charging Infrastructure;#3-Project-3-On-Road Vehicles

3-Project-3-Micromobility

3-Project-3-Micromobility

3-Project-3-Micromobility

3-Project-3-Micromobility

3-Project-3-Micromobility

3-Project-3-On-Road Vehicles;#3-Project-3-Charging Infrastructure

3-Project-3-On-Road Vehicles;#3-Project-3-Charging Infrastructure

3-Project-3-On-Road Vehicles;#3-Project-3-Charging Infrastructure

3-Project-3-On-Road Vehicles;#3-Project-3-Charging Infrastructure

3-Project-3-On-Road Vehicles;#3-Project-3-Charging Infrastructure

3-Project-3-On-Road Vehicles;#3-Project-3-Charging Infrastructure

3-Project-3-On-Road Vehicles;#3-Project-3-Charging Infrastructure

3-Project-2-Building Details

1-Transaction-Financial Product

GHGCalculatorFactors

GHGCalculatorFactors

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GHGCalculatorFactors

Applicability	Data Source(s)	Conditional Logic	Validation	Notes	Field Sour
0-ALL	Recipient	Required field.	Validate against 'US		GGRF
0-ALL	Recipient	Required field.	Validate against NGG		GGRF
0-ALL	Recipient	Required field.	Validate a	2. Since a	GGRF
0-ALL	Recipient	Required field.	Validate against NGG		SAM.GOV
0-ALL	Recipient	Required field.		This field	GGRF
0-ALL	Recipient	Conditionally required if Fina		Should we	Modified f
0-ALL	Recipient	Required field.			CDFI FUND
0-ALL	Recipient				CDFI FUND
0-ALL	EPA System (TAPS) for Uni	Conditionally required field if the Transa			GGRF
0-ALL	Recipient	Conditionally required if Tr		Ask grante	CDFI FUND
0-ALL	Recipient	Required field.	Reporting	EndDateCal	CDFI FUND
0-ALL	Recipient	Required field.		Definition	CDFI FUND
0-ALL	Recipient	IF GGRF Program (DE001)=	CCSFA canno		GGRF
0-ALL	Recipient	Conditionally required if Tran		(2) The "CF	Modified f
0-ALL	Recipient	Conditionally requi	not applica	This field	GGRF
0-ALL	Recipient	Required field.		This field	CDFI FUND
0-ALL	Recipient	Required field.			GGRF
0-ALL	Recipient	Conditionally optional if Fina		Active, Clo	Modified f
0-ALL	Recipient	Required.			CDFI FUND
0-ALL	Recipient	Conditionally required if D		Originally,	CDFI FUND
0-ALL	Recipient	Required field.		2024-07-2	Modified f
0-ALL	Recipient	Conditionally optional if Fina		If DE014 (F	CFPB
0-ALL	Recipient	Conditionally requi			CDFI NACA
0-ALL	Recipient	Conditionally requi			Modified f
0-ALL	Recipient	Conditionally requi			CFPB
0-ALL	Recipient	= TERM or LOC or	Points must be betwe		CDFI FUND
0-ALL	Recipient	Conditionally requ	If FINANCIAL ASSISTA		CDFI FUND
0-ALL	Recipient	= TERM or LOC or			CDFI NACA
0-ALL	Recipient	Conditionally requi			CDFI NACA
0-ALL	Recipient	Conditionally requi	If FINANCIAL ASSISTA		CFPB
0-ALL	Recipient	Conditionally requ			CDFI NACA
0-ALL	Recipient	Conditionally requ			CDFI NACA
0-ALL	Recipient				CDFI NACA
0-ALL	Recipient	Conditionally requi		DE037 cou	GGRF
0-ALL	Recipient	Conditionally required If Transaction			CDFI NACA
0-ALL	Recipient		North Ame		CDFI FUND
0-ALL	Recipient				CDFI NACA
0-ALL	EPA System (TAPS)	Not applicable.			CDFI FUND
0-ALL	Recipient	Required for all rec		If this field	GGRF
0-ALL	EPA System (TAPS) for Uni	Required field if the Project I		OUR syste	GGRF
0-ALL	Recipient	Conditionally required if Fin		The projec	GGRF
0-ALL	Recipient	Optional field.			GGRF
0-ALL	Recipient	Conditionally required if Transaction P			GGRF
0-ALL	Recipient	Conditionally required if Project Type (			GGRF
0-ALL	Recipient	Conditionally required if Transaction P			GGRF
0-ALL	Recipient	Conditional required If Project Type (D			GGRF
0-ALL	Recipient	Required field.		This field	GGRF

0-ALL	Recipient	Conditionally required if Deployment S		GGRF
0-ALL	Recipient	Conditionally required if Proj	This field	GGRF
0-ALL	Recipient	Required field.	US Census or USPS	GGRF
0-ALL	Recipient	Required field.	Census or	May not no GGRF
0-ALL	Recipient	Required field.	CENSUS	State-Cour GGRF
0-ALL	Recipient	Conditionally required if Technical Assist		GGRF
0-ALL	Recipient	Conditionally required if Project Site C		GGRF
0-ALL	Recipient	Optional field.	Must be -DDD.dddd	GGRF
0-ALL	Recipient	Optional field.		GGRF
0-ALL	Recipient	Conditionally required, if Pro	Duplicate	GGRF
0-ALL	Recipient	or Conditionally required if DE	Third pass	GGRF
0-ALL	Recipient	Conditionally required if Proj	#transactic	GGRF
0-ALL	Recipient	Conditionally required if Project Type (		GGRF
0-ALL	Recipient	Conditionally required if Finance Type (D		GGRF
0-ALL	Recipient	Required field.		GGRF
0-ALL	Recipient	Optional field.		GGRF
0-ALL	Recipient	Optional field.		GGRF
0-ALL	Recipient			GGRF
0-ALL	Recipient	Optional field.		CDFI FUND
0-ALL	Recipient	Optional field.	DBRA defir	CDFI FUND
0-ALL	Recipient	Conditionally required if Transaction Pur		CDFI NACA
0-ALL	Recipient	Conditionally required if Source of Job E	Modified fr	
0-ALL	Recipient	And Conditionally required if 2) Solid bu		GGRF
0-ALL	Recipient	Conditionally required if Tran	Modified f	GGRF
0-ALL	Recipient	Optional field.	In order to	GGRF
0-ALL	Recipient;#EPA System (TA	Conditionally requi	Carbon dic	This field is GGRF
0-ALL	Recipient;#EPA System (TA	Conditionally required if GGR	This field is GGRF
0-ALL	Recipient;#EPA System (TA	Conditionally required if GGR		GGRF
0-ALL	Recipient;#EPA System (TA	required if GGRF Program = N	This field is GGRF
0-ALL	Recipient;#EPA System (TA	Conditionally required if GGR	This field is GGRF
0-ALL	Recipient;#EPA System (TA	required if GGRF Program = N	This field is GGRF
0-ALL	Recipient;#EPA System (TA	required if GGRF Program = N	This field is GGRF
0-ALL	Recipient;#EPA System (TA	required if GGRF Program = N	This field is GGRF
0-ALL	Recipient;#EPA System (TA	required if GGRF Program = N	This field is GGRF
0-ALL	Recipient;#EPA System (TA	Conditionally required if GGR	This field is GGRF
0-ALL	Recipient;#EPA System (TA	Conditionally required if GGR	This field	GGRF
0-ALL	Recipient;#EPA System (TA	Conditionally required if GGR	This field is GGRF
0-ALL	Recipient;#EPA System (TA	required if GGRF Program = N	This field	GGRF
0-ALL	Recipient;#EPA System (TA	Conditionally required if GGR	This field	GGRF
0-ALL	Recipient;#EPA System (TA	required if GGRF Program = N	This field	GGRF
0-ALL	Recipient;#EPA System (TA	required if GGRF Program = N	This field is GGRF
0-ALL	Recipient;#EPA System (TA	Conditionally required if GGR	This field is GGRF
0-ALL	Recipient	Conditionally required if Pro	These are i GGRF
0-ALL	Recipient	Conditionally required if Pro	These are i GGRF
0-ALL	EPA System (TAPS)	Conditionally required if Pro	These are i GGRF
0-ALL	Recipient	Conditionally required if Pro	These are i GGRF
0-ALL	Recipient	Conditionally required if Pro	These are i GGRF

0-ALL	Recipient	Conditionally required if Pro	These are i	GGRF
0-ALL	Recipient	Conditionally opti	Values expressed as a	GGRF
0-ALL	Recipient	Conditionally optional if Project Type		GGRF
0-ALL	Recipient	Conditionally optional if Project Type		GGRF
0-ALL	Recipient	If project type detail is Generation, then		GGRF
0-ALL	Recipient	Detail (DE077) = TRANSMISSIC	These are i	GGRF
0-ALL	Recipient	Detail (DE077) = TRPositive w	These are i	GGRF
0-ALL	Recipient	Detail (DE077) = TREnter	Delta need	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Proj	https://ww	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Proj	thousand c	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optio Positive wl	These are i	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optio Positive wl	This needs	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Proj	These are i	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Proj	These are i	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Proj		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Project Type (		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Project Type (		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Project Type (		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Pro	These are i	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Pr	These are i	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Pr		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally opti Should be	These are i	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Pr	These are i	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Pr	These are i	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Pr	These are i	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Pr	These are i	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Pr	These are i	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Pr	These are i	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Pr	Number of	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Pr	Number of	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Pr	Number of	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Project Detai		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Project Detai		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Proj	These are i	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Proj	These are i	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if DE07		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Pro	P-Series fu	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Pro	These are i	GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if DE07	These are i	GGRF

1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if DE076 (Project			GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Pr	https://ww		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Pr	https://ww		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Pr	https://ww		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optio Enter who	https://ww		GGRF
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional.	AVERT higl		GGRF
0-ALL	Recipient	Conditionally required if Finance Type (DC	DFI FUND		
0-ALL	Recipient	Conditionally required if Finance Type (DC	DFI FUND		
0-ALL	Recipient	Conditionally requi Must cont: Switched t			GGRF
0-ALL	Recipient	Conditionally required if Finance Type (DC	DFI FUND		
0-ALL	Recipient	Conditionally required if Sec	This field	CDFI Fund	
0-ALL	Recipient	Conditionally required if Pr	Validations	CDFI Fund	
0-ALL	Compass Data Warehouse	Required field.		CDFI FUND	
0-ALL	Recipient	Conditionally requi Must be a whole number greate			
0-ALL	Recipient	Conditionally required if Financial Assi	GGRF		
0-ALL	Recipient	Conditionally required if Is Project Subj	GGRF		
0-ALL	Recipient	Conditionally required if Is Project Co	GGRF		
0-ALL	Recipient	Conditionally required if Is Project C	GGRF		
0-ALL	Recipient	Conditionally required If BABA Waiver type (DE244)			
0-ALL	Recipient	= PROJECT-SPECIFIC WAIVER		GGRF	
0-ALL	Recipient	= PROJECT-SPECIFIC WAIVER		GGRF	
0-ALL	Recipient	Conditionally required if Financial Assi	GGRF		
0-ALL	Recipient	Conditionally required if proje https://ww			GGRF
0-ALL	Recipient	Conditionally required if Pr	n 2 CFR § 2		GGRF
0-ALL	Recipient	Required field.	We do not		GGRF
0-ALL	Recipient	Optional; allowed only if DE014 does NO			GGRF
0-ALL	Recipient		If this is		GGRF
0-ALL	Recipient	If DE058 (Investee or Borrow If this is a			GGRF
0-ALL	Recipient	Conditionally required if DE07 Name of fi			GGRF
0-ALL	Recipient	Not applicable			GGRF
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (G			GGRF
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S			
0-ALL	Recipient	Optional field.			GGRF
0-ALL	Recipient	Conditionally requi This field	This field		GGRF
0-ALL	Recipient	Conditionally required if Fina	Field for a:		GGRF
0-ALL	Recipient	Required field.	Since this f		GGRF
0-ALL	Recipient	Conditionally requi			GGRF
0-ALL	Recipient	Conditionally required if Project Type (	GGRF		
0-ALL	Recipient		Relates to		GGRF
0-ALL	Recipient	Required field.			GGRF
0-ALL	Recipient	Conditionally required if Finar Monisha S			GGRF
0-ALL	Recipient	Required field.			GGRF
0-ALL	Recipient	Conditionally requi Value must be a posit			GGRF
0-ALL	Recipient	Conditionally optio Only one c These four			GGRF
0-ALL	Recipient	Conditionally optio Only one c These four			GGRF
0-ALL	Recipient	Conditionally optio Only one c These four			GGRF
0-ALL	Recipient	Conditionally optio Only one c These four			GGRF
1-GLIA (CCIA & NCIF)	Recipient				GGRF

1-GLIA (CCIA & NCIF)	Recipient	Conditionally requi Whole positive non-z GGRF	
0-ALL	Recipient	Conditionally required if Clean Energy T GGRF	
0-ALL	Recipient	Conditionally required if Clean Energy T GGRF	
0-ALL	Recipient	Conditionally required if Fina Brett Theo GGRF	
0-ALL	Recipient	Conditionally required if Fina Brett Theo GGRF	
0-ALL	Recipient	Conditionally required if Fina Brett Theo GGRF	
0-ALL	Recipient	Conditionally required if Fina Brett Theo GGRF	
0-ALL	Recipient	Conditionally required if Fina Brett Theo GGRF	
0-ALL	Recipient	Conditionally required if Fina Brett Theo GGRF	
0-ALL	Recipient	Conditionally required if DE013 (Finance GGRF	
0-ALL	Recipient	Conditionally required if Fin Originally GGRF	
1-GLIA (CCIA & NCIF)	Recipient	Conditionally requ Value must be zero o GGRF	
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if (see preceding GGRF	
1-GLIA (CCIA & NCIF)	Recipient	Must be zero or a pos GGRF	
1-GLIA (CCIA & NCIF)	Recipient		
1-GLIA (CCIA & NCIF)	Recipient	GGRF	
1-GLIA (CCIA & NCIF)	Recipient	Together with the Must be zero or posit GGRF	
0-ALL	Recipient	Conditionally required if DE013 (Finance GGRF	
0-ALL	Recipient	Conditionally required if Finance Type (GGRF	
0-ALL	Recipient	Must be a https://u GGRF	
0-ALL	Recipient	Conditionally required if DE https://u GGRF	
0-ALL	Recipient	Conditionally requ Enter whole numbers GGRF	
0-ALL	Recipient	Conditionally requi Must be a https://u GGRF	
1-GLIA (CCIA & NCIF)	Recipient	Conditionally requ Enter who https://u GGRF	
0-ALL	Recipient	Conditionally requ Enter a whole numbe GGRF	
0-ALL	Recipient	Conditionally required if Proj Added on GGRF	
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optio Value must be a whol GGRF	
1-GLIA (CCIA & NCIF)	Recipient	Conditionally requ Value must be a whol GGRF	
1-GLIA (CCIA & NCIF)	Recipient	Conditionally requ Year must be after th GGRF	
1-GLIA (CCIA & NCIF)	Recipient	Conditionally requ Year must be after th GGRF	
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Project Type (GGRF	
0-ALL	Recipient	Conditionally required if DE013 (Finance GGRF	
0-ALL	Recipient	Conditionally required if Transaction Purpose (DE01	
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (GGRF	
0-ALL	Recipient	Conditionally required if Finance Type (D GGRF	
0-ALL	Recipient	Conditionally required if Finance Type (DE013) = PR	
0-ALL	Recipient	Conditionally required if Technical As GGRF	
0-ALL	Recipient	Optional field. Values must fall between 0000 t	
0-ALL	Recipient	Required for all rec GGRF	
0-ALL	EPA System (TAPS) for Uni Required field if the Project Site Identifi GGRF		
0-ALL	Recipient	Required for all rec GGRF	
0-ALL	EPA System (TAPS) for Uni Required field if the Benefit Identifier - Grantee (DE		
0-ALL	Recipient	Optional field.	
0-ALL	Recipient		
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if DE07 Ted Toon r GGRF	
1-GLIA (CCIA & NCIF)	Recipient		
1-GLIA (CCIA & NCIF)	Recipient	optional	
1-GLIA (CCIA & NCIF)	Recipient		

0-ALL	Recipient	
0-ALL	EPA System (TAPS);#Recipient	This field GGRF
0-ALL	EPA System (TAPS);#Recipient	GGRF
0-ALL	Recipient	Conditionally required if Clean Energy GGRF
0-ALL	EPA System (TAPS);#Recip	Conditionally required if Project Type (DE076) IS no
0-ALL	EPA System (TAPS);#Recip	Conditionally required if Project Type (DE076) IS no
0-ALL	EPA System (TAPS);#Recip	Conditionally required if Project Type (DE076) IS no
0-ALL	Recipient;#EPA System (T/	Conditionally required if GGRF Program (DE001) =
0-ALL	Recipient;#EPA System (TAPS)	
0-ALL	Recipient;#EPA System (TAPS)	
0-ALL	Recipient;#EPA System (TAPS)	
0-ALL	Recipient;#EPA System (TAPS)	
0-ALL	Recipient;#EPA System (T/	Conditionally required if GGRF Program (DE001) =
0-ALL	Recipient;#EPA System (T/	required if GGRF Program = NCIF or CCIA Optional i
0-ALL	Recipient;#EPA System (T/	required if GGRF Program = NCIF or CCIA Optional i
0-ALL	Recipient;#EPA System (T/	Conditionally required if GGRF Program (DE001) =
0-ALL	EPA System (TAPS);#Recipient	
0-ALL	EPA System (TAPS);#Recipient	
0-ALL	Recipient;#EPA System (T/	required if GGRF Program = NCIF or CCIA Optional i
0-ALL	Recipient;#EPA System (T/	required if GGRF Program = NCIF or CCIA Optional i
0-ALL	Recipient;#EPA System (T/	required if GGRF Program = NCIF or CCIA Optional i
0-ALL	Recipient;#EPA System (T/	required if GGRF Program = NCIF or CCIA Optional i
0-ALL	Recipient;#EPA System (T/	required if GGRF Program = NCIF or CCIA Optional i
0-ALL	Recipient;#EPA System (T/	required if GGRF Program = NCIF or CCIA Optional i
0-ALL	Recipient;#EPA System (T/	required if GGRF Program = NCIF or CCIA Optional i
0-ALL	Recipient	Conditionally required if Project Type (DE076) = CLE
0-ALL	EPA System (TAPS)	Not applicable.
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (DE001) = S
2-ZETG (SFA)	Recipient	Conditionally required if GGRF Program (GGRF
0-ALL	Recipient	Conditionally required if Project Type (DE076) = CLE
1-GLIA (CCIA & NCIF)	Recipient	Conditionally required if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI

1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
0-ALL	Recipient	Conditionally optional if Project Type (DE076) = BUI
0-ALL	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = BUI
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA

1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA	
1-GLIA (CCIA & NCIF)	Recipient	Conditionally optional if Project Type (DE076) = TRA	
0-ALL	Recipient	Conditionally optional if Project Type (DE076) = TRA	
0-ALL	Recipient	Conditionally optional if Project Type (DE076) = TRA	
0-ALL	Recipient	Conditionally optional if Project Type (DE076) = TRA	
0-ALL	Recipient	Conditionally optional if Project Type (DE076) = TRA	
0-ALL	Recipient	Conditionally optional if Project Type (DE076) = TRA	
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
0-ALL	Recipient	Conditionally required if Proj added for	GGRF
0-ALL	Recipient	Conditionally required only if the loan, loan portfolio	
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF
1-GLIA (CCIA & NCIF)	Recipient		GGRF

Related fie	Related fie	Longitudin	GGRF Calculator Input/Output
			NO
			NO
2;#2;#4;#4		Recipient N	NO
2;#2;#3;#3		Recipient	NO
			NO
14;#14		Financial A	NO
) (modified)			NO
8;#8;#24;#		Counterpa	NO
			NO
12;#12		Transactio	NO
)			NO
) (modified)			NO
14;#14;#1;		Financial	NO
rom CDFI NACA RRP T			NO
14;#14		Financial A	NO
);#Modified from CDF			NO
			NO
rom CDFI NACA RRP T			YES
23;#23;#2		Counterpa	NO
23;#23;#5		Counterpa	NO
8;#8;#24;#		Counterpa	NO
26;#26;#2		Unpaid Pri	YES
RRP TLR (December :			NO
rom CDFI NACA RRP T			NO
			NO
)			NO
14;#14;#1		Financial	NO
RRP TLR (December :			NO
14;#14		Financial A	NO
14;#14		Financial A	NO
14;#14		Financial A	NO
14;#14		Financial A	NO
14;#14		Financial A	NO
37;#37		Forgivable	NO
6;#6;#7;#7		Transactio	NO
)			NO
58;#58		Investee o	NO
5;#5;#9;#9		Transactio	NO
72;#72		Project Ide	NO
			NO
			NO
			NO
			NO
			NO
12;#12		Transactio	NO
			NO
86;#86		Project Sta	YES

85;#85	Project Sta	YES	
		NO	Household Savings;
254;#254;	Project Sit	NO	
254;#254;	Project Sit	NO	PP2.Retrofit;#PP3.Nonroad Vehicle-Equipment;;#PP3.Onroad Vehicle;
254;#254;	Project Sit	NO	PP2.Electric Use Efficiency;#PP2.Smart Fridge;#PP2.Grid Controlled Applian
91;#91;#9	Project Sit	NO	
91;#91;#9	Project Sit	NO	
		NO	
		NO	
240;#240	Project Loc	NO	
263;#263	Does Proje	NO	
		NO	
		NO	
287;#287	Total Deve	NO	
		NO	
		NO	
		NO	
		NO	
) (modified)		NO	
) (modified)		NO	
115;#115;	Source of J	NO	
rom CDFI NACA RRP T		NO	
		NO	
		NO	
		NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
133;#133;	Annual Car	NO	
		NO	
		NO	
94;#94;#1	Project Si	NO	
		NO	
		NO	

		NO	
155;#155;Storage Te	NO		
		NO	
		NO	
		NO	
		NO	
		NO	
		NO	
		NO	PP2.Electric Use Efficiency;
		NO	
		NO	
		NO	
		NO	
		NO	
		NO	
		NO	
		NO	
		NO	
77;#77	Project Typ	NO	PP2.Building Reuse;
		NO	
		NO	
		NO	
		NO	PP2.Net-Zero Housing;
		NO	PP3.Onroad Vehicle;
		NO	PP3.Onroad Vehicle;
		NO	PP3.Onroad Vehicle;
		NO	PP3.Onroad Vehicle;
		NO	PP3.Onroad Vehicle;
		NO	PP3.Onroad Vehicle;
		NO	
		NO	
		NO	
		NO	
		NO	
		NO	
		NO	
		NO	
		NO	
		NO	
		NO	
		NO	
		NO	
200;#200	Baseline A	NO	PP3.Fuel Switch;
199;#199	Baseline F	NO	PP3.Fuel Switch;
		NO	PP2.HVAC Update;
		NO	PP3.Fuel Switch;
		NO	PP3.Fuel Switch;
		NO	PP2.HVAC Update;

	NO	PP3.Fuel Switch;	
	NO		
	NO		
	NO		
	NO		
	NO		
) (modified)	NO		
) (modified)	NO		
13;#13 Finance Ty	NO		
) (modified)	NO		
	YES		
14;#14 Financial A	NO		
1;#1 GGRF Prog	NO		
14;#14;#2(Financial	NO		
	NO		
	NO		
	NO		
	NO		
is PROJECT-SPECIFI	NO		
	NO		
	NO		
250;#250 DBRA Cons	NO		
249;#249 Is Project	NO		
	NO		
5;#5 Transactio	NO		
	NO		
254;#254;# Project Sit	NO		
254;#254;# Project Sit	NO		
	NO		
	NO		
258;#258; Enabling U	NO	Household Savings;	
FA; else, null.	NO	Household Savings;	
	NO		
14;#14;#1(Financial	NO		
14;#14 Financial A	NO		
96;#96 Does Proje	NO		
85;#85 Project Sta	YES		
264;#264 Date of Pro	YES		
260;#260 Investmen	NO		
254;#254;# Project Sit	NO		
261;#261 Principal S	NO		
	NO		
	NO		
270;#270;# Delinquen	YES		
270;#270;# Delinquen	YES		
270;#270;# Delinquen	YES		
270;#270;# Delinquen	YES		
275;#275 Micromob	NO	PP3.Charging-Walk-Bike;	

274;#274	Micromob	NO	PP3.Charging-Walk-Bike;
		NO	
		NO	
		NO	
280;#280;	Project Sp	NO	
280;#280;	Project Sp	NO	
280;#280;	Project Sp	NO	
280;#280;	Project Sp	NO	
254;#254;	Project Sit	NO	
8;#8;#285;	Counterpa	NO	
85;#85;#2	Project Sta	YES	
288;#288;	Number of	NO	
288;#288;	Number of	NO	
288;#288;	Number of	NO	
288;#288;	Number of	NO	
288;#288;	Number of	NO	
288;#288;	Number of	NO	
		NO	
		NO	
		NO	
296;#296	Total Phot	NO	
296;#296	Total Phot	NO	
296;#296;	Total Phot	NO	
		NO	
		NO	
76;#76	Project Ty	NO	
		NO	PP3.Onroad Vehicle;
		NO	PP3.Onroad Vehicle;
		NO	PP3.Onroad Vehicle;
		NO	PP3.Charging-Walk-Bike;
		NO	PP3.Charging-Walk-Bike;
294;#294	Project Fin	NO	
2) = FINANCIAL; else,		NO	
258;#258;	Enabling U	NO	Household Savings;
103;#103;	Total Proje	NO	
103;#103;	Total Proje	NO	
91;#91;#9	Project Sit	NO	
91;#91;#9	Project Sit	NO	
70;#70;#7	Project Ide	NO	
316;#316	Project Sit	NO	
		NO	
325) already exists in		NO	
		NO	
		NO	
		NO	
		NO	PP3.Onroad Vehicle;;#PP3.Nonroad Vehicle-Equipment;
		NO	PP3.Onroad Vehicle;
		NO	PP3.Onroad Vehicle;;#PP3.Nonroad Vehicle-Equipment;

	NO	PP3.Onroad Vehicle;
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	PP2.HVAC Update;
	NO	PP1.Distrbuted Solar;
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
133;#133;#Annual Car	NO	
:ANENERGY or BUILDI	NO	
69;#69;#5;Date Creat	NO	
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
1;#1 GGRF Prog	NO	Household Savings;
	NO	Household Savings;
:ANENERGY or BUILDI	NO	PP1.Distrbuted Solar;;#PP1.Distrbuted Wind;
ILDINGS;	NO	PP2.Electric Use Efficiency;#PP2.Grid Controlled HVAC;;#PP2.Grid Controlle
LDINGS;	NO	PP2.Electric Use Efficiency;#PP2.Grid Controlled HVAC;;#PP2.Grid Controlle

LDINGS;	NO	PP2.HVAC Update;
LDINGS;	NO	PP2.HVAC Update;
LDINGS;	NO	PP2.Geothermal;#PP2.HVAC Update;
LDINGS;	NO	PP2.Geothermal;#PP2.HVAC Update;
LDINGS;	NO	PP2.HVAC Update;
LDINGS;	NO	PP2.Geothermal;;#PP2.HVAC Update;
LDINGS;	NO	PP2.Geothermal;;#PP2.HVAC Update;
LDINGS;	NO	PP2.Geothermal;;#PP2.HVAC Update;
LDINGS;	NO	PP2.Geothermal;;#PP2.HVAC Update;
LDINGS;	NO	PP2.HVAC Update;
LDINGS;	NO	PP2.Water Fixtures and Heat;
LDINGS;	NO	PP2.Water Fixtures and Heat;
LDINGS;	NO	PP2.Water Fixtures and Heat;
LDINGS;	NO	PP2.Water Fixtures and Heat;
LDINGS;	NO	PP2.Water Fixtures and Heat;
LDINGS;	NO	PP2.Water Fixtures and Heat;
LDINGS;	NO	PP2.Water Fixtures and Heat;
LDINGS;	NO	PP2.Water Fixtures and Heat;
LDINGS;	NO	PP2.Geothermal;
LDINGS;	NO	PP2.Smart Fridge;
LDINGS;	NO	PP2.Smart Fridge;
LDINGS;	NO	PP2.Grid Controlled HVAC;
LDINGS;	NO	PP2.Grid Controlled HVAC;
LDINGS;	NO	PP2.Grid Controlled HVAC;
LDINGS;	NO	PP2.Retrofit;
LDINGS;	NO	PP2.Retrofit;
NSPORTATION;	NO	PP3.Onroad Vehicle;
	NO	PP3.Onroad Vehicle;
NSPORTATION;	NO	PP3.Onroad Vehicle;
NSPORTATION;	NO	PP3.Onroad Vehicle;
NSPORTATION;	NO	PP3.Onroad Vehicle;
NSPORTATION;	NO	PP3.Onroad Vehicle;
NSPORTATION;	NO	PP3.Onroad Vehicle;
NSPORTATION;	NO	PP3.Onroad Vehicle;
NSPORTATION;	NO	PP3.Nonroad Vehicle-Equipment;
NSPORTATION;	NO	PP3.Nonroad Vehicle-Equipment;
NSPORTATION;	NO	PP3.Nonroad Vehicle-Equipment;
NSPORTATION;	NO	PP3.Nonroad Vehicle-Equipment;
NSPORTATION;	NO	PP3.Charging-Walk-Bike;
NSPORTATION;	NO	PP3.Nonroad Vehicle-Equipment;
NSPORTATION;	NO	PP3.Charging-Walk-Bike;
NSPORTATION;	NO	PP3.Charging-Walk-Bike;
NSPORTATION;	NO	PP3.Charging-Walk-Bike;
NSPORTATION;	NO	PP3.Charging-Walk-Bike;
NSPORTATION;	NO	PP3.Charging-Walk-Bike;
NSPORTATION;	NO	PP3.Charging-Walk-Bike;
NSPORTATION;	NO	PP3.Charging-Walk-Bike;
NSPORTATION;	NO	PP3.Charging-Walk-Bike;

NSPORTATION;	NO	PP3.Charging-Walk-Bike;
NSPORTATION;	NO	PP3.Charging-Walk-Bike;
NSPORTATION;	NO	PP3.Charging-Walk-Bike;
NSPORTATION;	NO	PP3.Charging-Walk-Bike;
NSPORTATION;	NO	PP3.Charging-Walk-Bike;
NSPORTATION;	NO	PP3.Charging-Walk-Bike;
NSPORTATION;	NO	PP3.Charging-Walk-Bike;
	NO	PP3.Nonroad Vehicle-Equipment;;#PP3.Onroad Vehicle;
	NO	PP3.Nonroad Vehicle-Equipment;;#PP3.Onroad Vehicle;
	NO	PP3.Nonroad Vehicle-Equipment;;#PP3.Onroad Vehicle;
	NO	PP3.Nonroad Vehicle-Equipment;;#PP3.Onroad Vehicle;
	NO	PP3.Nonroad Vehicle-Equipment;;#PP3.Onroad Vehicle;
	NO	PP3.Nonroad Vehicle-Equipment;;#PP3.Onroad Vehicle;
	NO	PP3.Nonroad Vehicle-Equipment;;#PP3.Onroad Vehicle;
76;#76;#7;Project Typ	NO	PP2.Building Reuse;
o or equity stake is b	NO	
449;#449;#Factor 1 fo	NO	
449;#449;#Factor 1 fo	NO	
449;#449;#Factor 1 fo	NO	
449;#449;#Factor 1 fo	NO	
449;#449;#Factor 1 fo	NO	
449;#449;#Factor 1 fo	NO	
449;#449;#Factor 1 fo	NO	
449;#449;#Factor 1 fo	NO	
449;#449;#Factor 1 fo	NO	
449;#449;#Factor 1 fo	NO	
459;#459;#Factor 1 fo	NO	
459;#459;#Factor 1 fo	NO	
459;#459;#Factor 1 fo	NO	
459;#459;#Factor 1 fo	NO	
459;#459;#Factor 1 fo	NO	
459;#459;#Factor 1 fo	NO	
459;#459;#Factor 1 fo	NO	
459;#459;#Factor 1 fo	NO	
459;#459;#Factor 1 fo	NO	
459;#459;#Factor 1 fo	NO	

ces;#PP2.Grid Controlled HVAC;#PP2.Retrofit;#PP3.Nonroad Vehicle-Equipment;;#PP3.Onroad Vehicle;

d Appliances;
d Appliances;