San Joaquin Valley Unified Air Pollution Control District

2020 Annual Demonstration Report

SIP-Creditability of Emission Reductions Generated through Incentive Programs

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EXECUTIVE SUMMARY

The San Joaquin Valley Unified Air Pollution Control District (District) currently operates one of the largest and most well-respected incentive programs in California. Since 1992, the District's incentive programs have provided over $1.4 billion in incentive funds. This has been matched by cost-sharing on the part of participating businesses, public agencies, and residents, who together have invested over $1.6 billion, for a total public/private investment of well over $3 billion in low and zero emissions equipment and operations. These combined efforts have accelerated the adoption of cleaner technologies (beyond that achieved by stringent regulations alone) achieved over 173,100 tons of lifetime emission reductions, improved air quality and public health, and progressed the San Joaquin Valley (Valley) towards attainment of increasingly stringent federal air quality standards. In addition to District-administered incentive programs, the California Air Resources Board (CARB) and the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) also implement highly effective incentive programs, further reducing emissions in the Valley.

Although incentive programs result in real air quality benefits, the emission reductions resulting from voluntary incentive programs have generally not been quantified for or provided credit in attainment plans to meet federal Clean Air Act (CAA) requirements. District Rule 9610 (State Implementation Plan Credit for Emission Reductions Generated through Incentive Programs) serves as an administrative mechanism for crediting emission reductions achieved in the Valley through incentive programs for use in state implementation plans (SIPs). The future year emission reductions claimed in District SIPs through Rule 9610 are to be quantified through annual demonstration reports, such as this Annual Demonstration Report.

The emission reductions quantified and claimed for SIP credit as part of this report are accounted for in Table 1 and Table 2 below and include reductions of oxides of nitrogen (NOx), particulate matter (PM), and reactive organic gases (ROG). Extensive documentation of these reductions, related SIP commitments, and other Rule 9610 requirements are included in the remainder of this report and in supporting data provided in the Annual Demonstration Report Data Sheet that accompanies this report.

On Thursday April 9, 2015, EPA finalized a limited approval and limited disapproval of Rule 9610 as a revision to the California SIP[1]. The associated Technical Support Document[2] contained recommendations for implementation for the Manual of Procedures (MOP) and the Annual Demonstration Report. The District evaluated these recommendations and incorporated them throughout this Annual Demonstration Report as appropriate.

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[1] EPA. 40 CFR Part 52. *Revision to the California State Implementation Plan; San Joaquin Valley Unified Air Pollution Control District; Quantification of Emission Reductions From Incentive programs* Retrieved on April 9, 2015 from https://www.regulations.gov/document?D=EPA-R09-OAR-2013-0754-0056.

[2] EPA. *EPA's Notice of Proposed Rulemaking for the California State Implementation Plan San Joaquin Valley Unified Air Pollution Control District's Rule 9610, State Implementation Plan Credit for Emission Reductions Generated through Incentive Programs*. Retrieved on June 19, 2014 from http://www.regulations.gov/.

Table 1 summarizes the total SIP-creditable incentive-based emission reductions generated through incentive programs, expressed in tons per year and tons per day, claimed within the 2020 Annual Demonstration Report. The data also includes 615 District projects and 101 NRCS projects that were implemented during the timeframes covered under previous reports but were not included in those data sets at the time.

Table 1: Total SIP-Creditable Incentive-Based Emission Reductions Generated Through Incentive Programs

Current Reporting Period						
Year	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	NOx	PM	ROG	NOx	PM	ROG
2009	0.00	0.00	0.00	0.00	0.00	0.00
2010	0.00	0.00	0.00	0.00	0.00	0.00
2011	0.00	0.00	0.00	0.00	0.00	0.00
2012	0.64	0.03	0.07	0.00	0.00	0.00
2013	0.64	0.03	0.07	0.00	0.00	0.00
2014	0.64	0.03	0.07	0.00	0.00	0.00
2015	0.64	0.03	0.07	0.00	0.00	0.00
2016	0.64	0.03	0.07	0.00	0.00	0.00
2017	0.64	0.03	0.07	0.00	0.00	0.00
2018	37.99	2.27	3.59	0.10	0.01	0.01
2019	940.48	58.66	112.31	2.58	0.16	0.31
2020	1061.23	66.15	125.65	2.91	0.18	0.34
2021	1057.10	66.07	125.43	2.90	0.18	0.34
2022	997.77	63.07	118.82	2.73	0.17	0.33
2023	992.85	63.01	118.36	2.72	0.17	0.32
2024	974.42	62.86	100.26	2.67	0.17	0.27
2025	973.51	62.85	99.07	2.67	0.17	0.27
2026	959.73	61.95	97.59	2.63	0.17	0.27
2027	959.73	61.95	97.59	2.63	0.17	0.27
2028	924.51	59.71	94.15	2.53	0.16	0.26
2029	150.49	8.63	14.23	0.41	0.02	0.04
2030	42.60	1.41	3.04	0.12	0.00	0.01
2031	42.60	1.41	3.04	0.12	0.00	0.01

Table 2 summarizes the cumulative total SIP-creditable incentive-based emission reductions generated through incentive programs, expressed in tons per year and tons per day, claimed in the 2013 -2020 Annual Demonstration Reports.

Table 2: Cumulative Total SIP-Creditable Incentive-Based Emission Reductions Generated Through Incentive Programs

Cumulative Reporting Period						
Year	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	NOx	PM	ROG	NOx	PM	ROG
2009	1098.99	35.78	116.17	3.01	0.10	0.32
2010	2655.71	82.02	237.29	7.28	0.22	0.65
2011	4112.25	141.11	364.96	11.27	0.39	1.00
2012	5804.68	210.38	477.51	15.90	0.58	1.31
2013	6699.86	248.37	572.27	18.36	0.68	1.57
2014	6494.06	243.85	564.13	17.79	0.67	1.55
2015	6528.68	252.86	620.84	17.89	0.69	1.70
2016	6491.76	256.09	673.48	17.79	0.70	1.85
2017	6142.10	250.86	719.09	16.83	0.69	1.97
2018	6687.46	288.06	783.66	18.32	0.79	2.15
2019	6956.63	333.61	841.19	19.06	0.91	2.30
2020	6148.65	312.69	756.51	16.85	0.86	2.07
2021	5336.82	280.43	647.73	14.62	0.77	1.77
2022	4609.62	247.13	546.58	12.63	0.68	1.50
2023	3979.18	219.94	465.49	10.90	0.60	1.28
2024	3364.05	192.95	363.51	9.22	0.53	1.00
2025	2755.68	165.90	287.50	7.55	0.45	0.79
2026	2326.44	142.10	237.62	6.37	0.39	0.65
2027	1727.83	111.00	173.62	4.73	0.30	0.48
2028	1045.27	67.21	103.06	2.86	0.18	0.28
2029	191.98	10.68	14.23	0.53	0.03	0.04
2030	84.09	3.47	3.04	0.23	0.01	0.01
2031	84.09	3.47	3.04	0.23	0.01	0.01

I. ANNUAL DEMONSTRATION REPORT ELEMENTS

This District-prepared report will demonstrate the quantity of emission reductions achieved through SIP-creditable incentive programs. District Rule 9610 has several requirements to demonstrate that the claimed incentive-based emission reductions are SIP-creditable. Section 4.0 of Rule 9610 presents the elements that this 2020 Annual Demonstration Report must include, which are summarized in Table 3 below.

Table 3: Annual Demonstration Report Requirements

Element	Where satisfied
Description of guidelines used, how the guidelines ensure that the claimed emission reductions are SIP-creditable, and a list of any procedures being used for the first time under the rule	Section II of this report
Quantification of emission reductions generated through incentive programs, summarized by pollutant and by years and including: • Cost-effectiveness • Funding amount • Incentive program guideline • Project type	Section VI of this report
Adjustments to reductions claimed in prior annual demonstration reports	NA
Identification of SIP commitments in District adopted SIP(s) which the District has satisfied in whole or in part through Rule 9610, including identification and quantification of, and remedies for, any shortfalls	Section III of this report
Project information, including the following, as applicable: • Project identification number • Project location • Project type • Project life • Implementation date • Funding provided by the District, NRCS, or CARB • Guidelines used • Quantified emission reductions per year, and aggregated over the project life, by pollutant • Description of baseline and new equipment • Additional details as needed	Appendices A and B of this report, Manual of Procedures, and Annual Demonstration Report Data Sheet
Summary of monitoring and enforcement activities for the reporting period for incentive programs for which SIP-creditable emission reductions are being claimed, including: • Identification of project audits, usage reports, inspections, and other monitoring activities • List of projects that do not satisfy contractual requirements and associated enforcement actions/remedies	Section IV of this report
Incentive Program Evaluation: retrospective assessment of the incentive program performance and recommendations, if any, for future enhancements	Section V of this report

Annual Demonstration Report Process

The Draft Annual Demonstration Report is released to the public for review and comment. Upon close of the comment period all comments received are addressed accordingly. The APCO then presents the Draft Annual Demonstration Report to the District Governing Board for review followed by submittal to CARB and EPA for concurrence prior to the August 31 deadline of each year. The public has an additional opportunity to comment on the draft report at the Governing Board public hearing. All previous versions of the Annual Demonstration Report, the Rule and the Manual of Procedures are available on the District's website.

Recordkeeping Requirements

Section 6.0 of Rule 9610 requires all documents created and/or used in implementing the requirements of Section 4.0 shall be kept and maintained as required by the applicable incentive program guidelines. Consistent with the California Public Records Act and other related requirements, such records shall be made available for public review. The public may request records through the District's Public Records Release Request, available on the District website at: http://www.valleyair.org/General_info/public_records_release_request.htm. However, the records related to implementation of the USDA NRCS Combustion Systems Improvement of Mobile Engines incentive program are prohibited from mandatory disclosure pursuant to the Food, Conservation, and Energy Act of 2008 (7 U.S.C. § 8791).

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II. INCENTIVE PROGRAM GUIDELINES

A. SIP-Creditable Incentive Program Guidelines

Pursuant to Section 4.1 of Rule 9610, the annual demonstration report shall contain a list of any incentive program guidelines that are being used to claim SIP credit under this rule.

This year the District is also utilizing projects under the Funding Agricultural Replacement Measures for Emission Reductions (FARMER) program guidelines.

Section 3.1 of Rule 9610 identifies pre-approved incentive program guidelines from which the District can claim credit for incentive-based emission reductions. These guidelines include:

- CARB Carl Moyer Memorial Air Quality Standards Attainment Program (Carl Moyer Program) Guidelines for incentive projects funded by either the Carl Moyer Program or non-Carl Moyer funding sources, for the project types listed in Table 4.

Table 4: Carl Moyer Program Project Types by Component

		2005 Guidelines (approved 11/17/2005)	2008 Guidelines (approved 3/27/2008)	2011 Guidelines (approved 4/28/2011)	2017 Guidelines (approved 4/27/2017)
Component	**Component Option**	**Chapter**	**Chapter**	**Chapter**	**Chapter**
On-Road Heavy-Duty Vehicle (On-Road)	New Vehicle Purchase	1	3	4	4
	Repower	1	3	4	4
	Retrofit	1	3	4	n/a
On-Road Heavy-Duty Vehicles (On-Road)	Fleet Modernization Replacement	2	4	5	n/a
Off-Road Compression-Ignition Equipment (Off-Road)	Vehicle Replacement	n/a	7	9	5
	Engine Repower	5	5	7	5
	Engine Retrofit	5	5	7	5
Portable and Stationary Agricultural Sources (Ag Engine)	Repower	10	10	10	5
	New Purchase	10	10	10	n/a
	Engine Retrofit	10	10	10	5

- CARB Proposition 1B Goods Movement Emission Reduction Program (Proposition 1B) Guidelines for Heavy-Duty Diesel Trucks, for the project types listed in table 5.

Table 5: Proposition 1B Program Project Types by Component

Component	Component Option	2008 Guidelines (approved 02/28/2008) Appendix	2010 Guidelines (approved 03/25/2010) Appendix	2013 Guidelines (approved 01/25/2013) Appendix	2015 Guidelines (approved 6/25/2015) Appendix
On-Road Prop 1B	Repower	A	A	A	A
	Replacement (Vehicle Replacement)	A	A	A	A
	PM retrofit	A	A	A	n/a
	PM + NOx Retrofit	A	A	A	n/a
Locomotive Prop 1B	Locomotive Replacement	-	-	-	B

- NRCS Conservation Practice Standard 372 - Combustion System Improvement (approved September 2010); Conservation Practice Standard 723 – Combustion System Air Emission Management (approved May 2009); NRCS General Manual, Title 450, Part 401 – Conservation Practice Standards (approved October 18, 2009); NRCS General Manual, Title 450, Part 407 – Documentation, Certification, and Spot Checking (approved October 17, 2009); Conservation Practice Standard 372 Specification (approved September 2010); NRCS Interim Conservation Practice Standard 723 – Combustion System Air Emission management (approved May 2009); and associated NRCS Program Combustion System Improvement of Mobile Engines Guidelines for incentive projects funded by EQIP funds and accompanying calculation, emission factors, and destruction certification worksheets.

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- Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program Guidelines for incentive projects funded by the FARMER sources, for the project types listed in Table 6.

Table 6: FARMER Program Project Types by Component

Component	Component Option	2018 Guidelines (approved 3/23/2018)
		Chapter
Ag UTV	Replacement (Vehicle Replacement)	3.2.2
On-Road Heavy-Duty Vehicle (On-Road)	Ag Truck Replacement	3.2.1
Off-Road Compression-Ignition Equipment (Off-Road Cotton Pickers)	Ag Vehicle Replacement 2 for 1	3.2.1

The summaries of SIP-creditable incentive-based emission reductions claimed under Section 3.1 of Rule 9610 are included in Section VI of this annual demonstration report, and the detailed information for each project is presented in the Annual Demonstration Report Data Sheet that accompanies this report. To identify the specific guideline reference applicable to an individual project in the data sheet, reference the "Applicable Guideline", "Component" and "Component Option" fields from the data sheet to the corresponding list of pre-approved guidelines identified in the tables above.

B. Description of SIP-Creditable Program Guidelines

Sections B(1) through B(4) below describe the specific incentive program guidelines identified in Rule 9610 that were used to reduce emissions and calculate the emission reductions included in this annual demonstration report. These guidelines are developed and periodically revised through a public process with opportunity for public review and commenting. In cases where more than one version of an incentive program guideline was used for a given incentive project, the specific version is identified and included within the detailed project information provided in the Annual Demonstration Report Data Sheet.

1. CARB Carl Moyer Memorial Air Quality Standards Attainment Program Guidelines

The Carl Moyer Program is a grant program that funds the incremental cost of cleaner-than-required engines and equipment. Adopted in 1999 by CARB, this program was created through a public process and provides incentives to help obtain early or extra emission reductions, especially from emission sources in environmental justice communities and areas disproportionately impacted by air pollution with a primary objective of obtaining cost-effective and surplus emission reductions.

The Carl Moyer Program has been successfully implemented through the cooperative efforts of CARB and air districts in California. As directed by the California Health and Safety Code, CARB's role is to oversee the Carl Moyer Program by managing program funds, developing and maintaining guidelines, and determining cost-effectiveness methodologies. Air districts use the Carl Moyer Program Guidelines to select, fund, and monitor projects in their jurisdiction by providing grants to public and private entities.

The Carl Moyer Program guidelines include robust administrative requirements to ensure that emission reductions are enforceable and are achieved throughout the life of a project. The District has used the Carl Moyer Program Guidelines to develop the practices that are currently in place to ensure all EPA integrity principles of Surplus, Quantifiable, Enforceable, and Permanent are met. The following is a summary of how the Carl Moyer Program Guidelines meet each SIP-creditability criterion:

Surplus

The Carl Moyer Program Guidelines ensure that projects are surplus to regulations by only allowing projects to be selected that are not required by any federal, state, or local regulation, memorandum of agreement/understanding with a regulatory agency, settlement agreement, mitigation requirement, or other legal mandate. For example, the guidelines have accounted for each adopted regulation to determine the compliance dates of any affected engines and emission benefits claimed by each regulation have been determined. Minimum project lives are established in each component to ensure that the program does not fund actions taken to comply with regulatory deadlines. The minimum project life requirement also ensures the overall cost effectiveness of the program and that the emission reductions are real for the life of the project.

In some cases, a split project life methodology is utilized to properly account for all possible emission reductions while still ensuring that the emission reductions being claimed are surplus. In the case of split project life calculations, the first calculation captures the surplus between the baseline (tier 1 or tier 2) technology and a new tier 4 for the length of time until the rule compliance deadline. The second calculation captures the surplus from tier 4 (compliance requirement baseline) to electric for the remainder of the project life. Projects that are subject to the split life calculation methodology typically have a total project life of ten (10) years.

The District has utilized a split project life for tier 1 and tier 2 diesel agricultural irrigation pumps being replaced with new electric motors. These diesel engines are required by the District's Rule 4702 to upgrade to a tier 4 diesel engine by 12/31/2013. The project life is split between the surplus time for Rule 4702 (baseline to tier 4) and the remainder of the allowable 10 years for the reduced technology to the electric motor (tier 4 to electric).

The summary below provides more detail about how the 2017 Carl Moyer Program Guidelines ensure that the SIP-creditability integrity principle of "Surplus" is fulfilled:

- *Requirement that emission reductions generated by incentive programs are not required by other regulation*
  - (2011 Moyer Guidelines Chapter 2, Project Criteria A, H, I, MM)
  - (2017 Moyer Guidelines, Chapter 2, Project Criteria A, B, C, D, G, K).
- *Protocols for quantifying maximum project life and maximum emission reductions which account for upcoming regulatory deadlines for a given source category*
  - (2011 Moyer Guidelines Chapter 2, Project Criteria B, I and MM)
  - (2017 Moyer Guidelines Chapter 2, Project Criteria B, C, D).
- *Assurance that baseline equipment was in use*
  - (2011 Moyer Guidelines Chapter 3, Section Z.6(B) and AA.2.)
  - (2017 Moyer Guidelines, Chapter 3, Section V.6(B) and W.2.)
- *Assurance that new/upgraded equipment is not already accounted for in future-year inventories underlying a SIP attainment demonstration by natural fleet turnover, finite equipment life or incentives*
  - The definition of surplus in the Moyer guidelines requires that the emission reductions achieved are above and beyond those required under existing regulations that are incorporated into a SIP. As part of the SIP development process, CARB reviews the Moyer project mix to ensure that the amount of emission reductions credited to the program are not included in the future year inventories specific to each individual attainment demonstration.
- *Procedures that ensure that old equipment was used in the geographic area of interest*
  - (2011 Moyer Guidelines, Chapter 2, Section S and Chapter 3, Section Z.6.(B))
  - (2017 Moyer Guidelines, Chapter 2, Section S and Chapter 3 Section T.3 and V.6(B)).

Quantifiable

The District evaluates the potential emission reductions that would be achieved by replacing the old equipment with the new equipment using the established calculation methodologies and emissions factors in the program guidelines. The calculation methodology, including calculation formulas, assumptions, emission factors and sample calculations are part of the Carl Moyer Program Guidelines and have been approved through a public process. To ensure that real, quantifiable

emission reductions are achieved over the life of a project, the program guidelines require that emission control technologies be certified or verified by CARB (certification or verification by the EPA or International Maritime Organization may be allowed for some source categories for which CARB does not have a certification or verification program). The summary below provides more detail about how the 2017 Carl Moyer Program Guidelines ensure that the SIP-creditability integrity principle of "Quantifiable" is fulfilled:

- *Emissions data needed to calculate emission reductions must be publicly available, current, and accurate. This should include appropriate emission factors, load factors, and other conversion factors.*
    - 2011 Moyer Guidelines, Appendix D (Publicly Available) and Chapter 1, Section E.7 (Allows CARB Executive Officer to modify the Guidelines under a public process, to keep them effective and up-to-date.)
    - 2017 Moyer Guidelines, Appendix D (Publicly Available) and Chapter 1, (Guidelines modified under a public process, to keep them effective and up-to-date.)
- *Guidelines include necessary formulas and instructions to calculate emission reductions based on above data, and explicit instructions to ensure appropriate data are used in calculations*
    - 2011 and 2017 Moyer Guidelines, Appendix C (contains formulas and instructions)
    - 2011 and 2017 Moyer Guidelines, Supplemental document, "Sample Calculations" (contains formulas and instructions)
    - 2011 Moyer Guidelines, Appendix C, Section B.5, and Supplemental document, "Sample Calculations" (contains explicit instructions regarding inputs)
    - 2017 Moyer Guidelines, Appendix C, Section B.1(b), and Supplemental document, "Sample Calculations" (contains explicit instructions regarding inputs)
- *Requirement to provide activity data sufficient to determine actual emission reductions*
    - 2011 Moyer Guidelines, Chapter 3, Section Z.6.(B)
    - 2017 Moyer Guidelines, Chapter 3, Section V.6.
- *Requirement to demonstrate the percentage of emission reductions that occur in the geographic area of interest, and that emission reductions are therefore SIP creditable*
    - 2011 Moyer Guidelines, Chapter 2, Section S and Chapter 3, Section Z.6.(B)
    - 2017 Moyer Guidelines, Chapter 2, Section S
- *Requirement to periodically audit completed projects to verify emission reduction projections are fulfilled*
    - 2011 Moyer Guidelines Chapter 3, Sections Z.10 and EE.
    - 2017 Moyer Guidelines Chapter 3, Section V.10 and AA.

Enforceable

Emission reductions and other required actions are enforceable if: they are independently verifiable; program violations and those liable are defined; information needed to determine emission reductions is available to the public; and they are practicably enforceable in accordance with other EPA guidance on practicable enforceability. The summary below provides more detail about how the 2017 Carl Moyer Program Guidelines ensure that the SIP-creditability integrity principle of "Enforceable" is fulfilled:

- *Require Grantees to provide all necessary recordkeeping and reporting needed to verify emission reductions*
  - 2011 Moyer Guidelines, Chapter 3, Section Z.9 and DD
  - 2017 Moyer Guidelines, Chapter 3, Section V.9 and Z
- *Require inspections to ensure incentive program information is consistent with actual operating equipment*
  - Moyer Guidelines Chapter 3, Sections AA and BB.
- *Identify liable parties and liability associated with contract noncompliance*
  - Moyer Guidelines Chapter 3, Section Z.11.

Permanent

To ensure that the SIP-creditable emission reductions are permanent, actions such as pre-inspections and post-inspections of the new equipment and verification that the baseline equipment has been destroyed through the required process as described in the program guidelines are performed. The summary below provides more detail about how the 2017 Carl Moyer Program Guidelines ensure that the SIP-creditability integrity principle of "Permanent" is fulfilled:

- *Data needed to determine and track location of activity*
  - 2011 Moyer Guidelines, Chapter 3, Section DD
  - 2017 Moyer Guidelines, Chapter 3, Section Z
- *Provisions for ensuring that the project was completed, including the verification of disposition of baseline equipment.*
  - 2011 Moyer Guidelines Chapter 3, Sections AA and BB
  - 2017 Moyer Guidelines Chapter 3, Sections W and X

A summary of emission reductions achieved through the use of the Carl Moyer Program Guidelines is included in Section VII of this report. The complete Carl Moyer Program Guidelines can be found online at: www.arb.ca.gov/msprog/moyer/guidelines/current.htm.

2. CARB Proposition 1B: Goods Movement Emission Reduction Program Guidelines

In November 2006, California voters approved Proposition 1B authorizing $1 billion in bond funding to reduce air pollution associated with the movement of freight along California's major trade corridors. Subsequent implementing legislation established standards and procedures for the expenditure of these funds. Governor

Schwarzenegger's Executive Order S-02-07 provides further direction to ensure accountability and transparency in administering bond-funded programs.

CARB developed the *Proposition 1B: Goods Movement Emission Reduction Program Guidelines for Implementation* (Proposition 1B Guidelines),through a public process in consultation with stakeholders, including: air districts, metropolitan planning organizations, port authorities, shipping lines, railroad companies, trucking companies, harbor craft owners, freight distributors, terminal operators, local port community advisory groups, community interest groups, and airports. The Proposition 1B Guidelines ensure that the District funds qualifying projects that achieve the following results:

- Reduce emissions and health risks;
- Incorporate simplicity and efficiency;
- Ensure cost effectiveness;
- Leverage other funding sources; and
- Provide transparency and accountability.

CARB, under direction from Executive Order S-02-07, established transparency and accountability measures for administering the bond funding. CARB has made all program materials including, but not limited to; guidelines, Board Resolutions, Notice of Funding Availability, summary tables, recommendations for funding, materials from public workshops, and completed applications submitted by local and state agencies available on their website.

The program is designed to supplement CARB's diesel regulations by funding early compliance or providing extra emission reductions beyond those required by current rules. The guidelines include robust administrative requirements to ensure that emission reductions are enforceable and are achieved throughout the life of a project. The District has used the Proposition 1B Guidelines to develop the practices that are currently in place to ensure all EPA integrity principles are met. The following is a summary of how the Proposition 1B Guidelines meet each SIP-creditability criterion:

Surplus

The Carl Moyer Program Guidelines ensure that projects are surplus to regulations by only allowing projects to be selected that are not required by any federal, state, or local regulation, memorandum of agreement/understanding with a regulatory agency, settlement agreement, mitigation requirement, or other legal mandate. For example, the guidelines have accounted for each adopted regulation to determine the compliance dates of any affected engines and emission benefits claimed by each regulation have been determined. Minimum project lives are established in each component to ensure that the program does not fund actions taken to comply with regulatory deadlines. The minimum project life requirement also ensures the overall cost effectiveness of the program and that the emission reductions are real for the life of the project.

Quantifiable

The District evaluates the potential reductions that would be achieved by replacing the old equipment with the new equipment using the Project Benefits Calculator created by CARB. The calculator is available to the public on CARB's website at http://www.arb.ca.gov/bonds/gmbond/gmbond.htm and is updated by CARB on a regular basis. Chapter 2 Section C discusses Proposition 1B program emission reduction calculations.

Enforceable

The District has created enforceable contracts, based on requirements in the Proposition 1B Program Guidelines, which are signed by both District management and the Grantee to ensure that projects are fully accomplished and the integrity principles are met. The legally binding contracts include, but are not limited to, usage reporting requirements for the Grantee, operating location requirements for the new vehicle, the destruction requirements of the baseline equipment/engine, and an allowance for the District to conduct an audit of the project at any time during the project life. Chapter 4 Section A and Appendix A of Proposition 1B Program guidelines details contract requirements for truck projects.

Permanent

To ensure that the SIP-creditable emission reductions are permanent, actions such as post-inspections of the new equipment and verification that the baseline equipment has been destroyed through the required process as described in the program guidelines are performed. Chapter 4 Section A of the Proposition 1B program discusses scrap and post inspection requirements.

A summary of emission reductions achieved through the use of the Proposition 1B Program Guidelines is included in Section VI of this report. The complete Proposition 1B Program Guidelines can be found online at: http://www.arb.ca.gov/bonds/gmbond/gmbond.htm.

3. FARMER Program Guidelines

The FARMER Program is a grant program that funds the incremental cost of cleaner-than-required engines and equipment. In September 2017, Assembly Bill (AB) 134 (Committee on Budget, Chapter 254, Statutes of 2017) and AB 109 (Ting, Chapter 249, Statutes of 2017) appropriated $135 million from the State Budget for Fiscal Year (FY) 2017-18 to the California Air Resources Board (CARB or Board) for the reduction of criteria, toxic, and greenhouse gas (GHG) emissions from the agricultural sector. CARB staff developed these proposed *Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program Guidelines* (Guidelines) to cover the three related sources of funding included in AB 134 and AB 109.

The FARMER Program has been successfully implemented through the cooperative efforts of CARB and air districts in California. As directed by the California Health and Safety Code, CARB's role is to oversee the FARMER Program by managing program funds, developing and maintaining guidelines, and determining cost-effectiveness

methodologies. Air districts use the FARMER Program Guidelines to select, fund, and monitor projects in their jurisdiction by providing grants to public and private entities.

The FARMER Program guidelines include robust administrative requirements to ensure that emission reductions are enforceable and are achieved throughout the life of a project. The District has used the FARMER Program Guidelines to develop the practices that are currently in place to ensure all EPA integrity principles of Surplus, Quantifiable, Enforceable, and Permanent are met. The following is a summary of how the FARMER Program Guidelines meet each SIP-creditability criterion:

Surplus

The FARMER Guidelines ensure that projects are surplus to regulations by only allowing projects to be selected that are not required by any federal, state, or local regulation, memorandum of agreement/understanding with a regulatory agency, settlement agreement, mitigation requirement, or other legal mandate. All calculated emissions are in excess of the baseline emission inventory, attainment year, and progress milestone year forecasts that include adopted regulations. Minimum project lives are established in each component's guidelines to ensure that the program does not fund actions taken to comply with regulatory deadlines. The minimum project life requirement also ensures that the emission reductions are real for the life of the project.

Quantifiable

The District evaluates the potential emission reductions that would be achieved by replacing the old equipment with the new equipment using the established calculation methodologies and emissions factors in the program guidelines. The calculation methodology, including calculation formulas, assumptions, emission factors and sample calculations are part of the current Carl Moyer or FARMER Program Guidelines and have been approved through a public process. To ensure that real, quantifiable emission reductions are achieved over the life of a project, the program guidelines require that emission control technologies be certified or verified by CARB (certification or verification by the EPA) or be verified to emit zero tailpipe emissions. The summary below provides more detail about how the 2018 FARMER Guidelines ensure that the SIP-creditability integrity principle of "Quantifiable" is fulfilled:

- The District has created enforceable contracts/vouchers, based on requirements in the FARMER Guidelines, which are signed by both District management and the Grantee to ensure that projects are fully accomplished and the integrity principles are met. The legally binding contracts/vouchers include, but are not limited to, usage reporting requirements for the Grantee, operating location requirements for the new vehicle, the destruction requirements of the baseline equipment/engine, and an allowance for the District to conduct an audit of the project at any time during the project life.

Enforceable

Enforceable means emission reductions are enforceable if the incentive program guidelines include provisions for ensuring the following:

- The emission reductions are independently and practicably verifiable through reporting, inspections, monitoring, and other mechanisms;
- Incentive program requirements are defined through legally binding contracts, including identifying the party or parties responsible for ensuring that emission reductions are achieved;
- Funding recipients are obligated to provide all records needed to demonstrate that emission reductions are achieved; and
- The air district provides public access to all emissions-related information for reductions claimed.

Permanent

To ensure that the SIP-creditable emission reductions are permanent, actions such as post-inspections of the new equipment and verification that the baseline equipment has been destroyed through the required process as described in the program guidelines are performed.

4. USDA NRCS Combustion Systems Improvement of Mobile Engines Incentive Program Guidelines

Under the Food Conservation and Energy Act of 2008, the USDA Secretary provides eligible producers with program support to address serious air quality concerns from agricultural operations and help meet regulatory requirements through the Environmental Quality Incentives Program (EQIP). The National Air Quality Initiative (NAQI, once referred to as "CIG-b") is a voluntary incentive program with the primary goal to achieve and maintain the health-based National Ambient Air Quality Standards (NAAQS) within designated non-attainment areas of California. Financial assistance is targeted to counties that have been identified as having significant air quality resource concerns by being designated as non-attainment for Ozone and/or Particulate Matter (PM10 / PM2.5). These areas experience air pollution levels that persistently exceed the NAAQS established by the CAA.
http://www.nrcs.usda.gov/wps/portal/nrcs/detail/ca/programs/financial/eqip/?cid=stelprdb1247012

Given its experience in running similar incentive programs, the District provided assistance to NRCS in developing this new program. Through this program, NRCS provides incentive funds to assist farmers in replacing diesel powered agricultural equipment with the goal of ensuring the resulting emission reductions meet the SIP-creditability criteria of being surplus, quantifiable, enforceable, and permanent. Eligible participants are owners of land in agricultural or forest production or persons who are

engaged in livestock, agriculture, or forest production on eligible land and that have a natural resource concern on the land.

Applications are accepted on a continuous basis with periodic application ranking cut-offs. The NRCS has specific expertise regarding agricultural practices and operations and works closely with agricultural stakeholders in reviewing applications for eligibility. Applications are ranked for funding based upon ranking criteria developed with input from Local Work Groups, Stakeholders, and the State Technical Advisory Committee (STAC). The ranking score of a project is based on multiple factors including but not limited to:

- Whether or not the project location is in an area that has an EPA NAAQS non-attainment designation for PM2.5, PM10, and/or Ozone and what type of designation that area has (for example “extreme” nonattainment).
- If there are currently any local or state agriculturally based air emission regulatory requirements for the area that the project is located.
- The emission level of the baseline equipment/engine and the emission factors of the new/replacement equipment/engine.
- The amount of NOx, ROG, and PM that is projected to be reduced by funding the project.

The ranking criteria ensure that the projects with the greatest amount of reductions, resulting in the highest air quality benefit will be selected for funding.

NRCS has created robust administrative requirements based on those in the Carl Moyer Program Guidelines to ensure that emission reductions are enforceable, are achieved throughout the life of a project, and ensure all EPA integrity principles are met. These requirements are contained in Conservation Practice Standard (CPS) 372 – Combustion System Improvement and associated specifications and procedures. The following is a summary of how the NRCS Guidelines meet each SIP-creditability criterion:

Surplus

Under the NAQI, page 3 of the CA-NRCS program guidelines specifies that SIP creditable emission reductions are “achieved from contracts or parts of contracts funded under the air quality initiative [that] are not required by any federal, state, or local regulation, settlement agreement, mitigation requirement, or other legal mandate.” A rule or regulation does not currently exist for off-road mobile agricultural equipment, so the emission reductions resulting from replacing existing mobile off-road agricultural engines funded under the NAQI per CPS 372-Combustion Systems Improvement are surplus. The National Air Quality Initiative Programs Description is posted on-line at:
http://www.nrcs.usda.gov/wps/portal/nrcs/detail/ca/programs/financial/eqip/?cid=stelprdb1247003.
The 2012 CA-NRCS program guidelines are posted on-line at:
http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs144p2_063865.pdf

Quantifiable

The District provided technical assistance to CA-NRCS in developing their calculation methodologies. The methodologies from the Carl Moyer Program are the basis for components included in CPS-372 and its supporting documents for the NAQI, including the CA-NRCS program guidelines. The District provided technical assistance to CA-NRCS in developing their calculation methodologies, which are consistent with the Carl Moyer Program. The NRCS Field Office Technical Guide places a ten-year lifespan for projects implemented under CPS 372 – Combustion System Improvement, which is also consistent with the Carl Moyer program. A conservation practice lifespan is the minimum time (in years) the implemented practice is expected to be fully functional for its intended purpose (NRCS General Manual, Title 450, Part 401.15) http://directives.sc.egov.usda.gov/viewerFS.aspx?hid=19430. A list of California NRCS practice standard life-spans are posted on-line at: https://efotg.sc.egov.usda.gov/references/public/CA/Section-IV-Practice-List-Lifespan_03-18.xlsx.

The emission reductions for each project, including projects with multiple old units for one new unit, are calculated using the methodologies outlined in the Carl Moyer Guidelines. All equipment engines are cross-referenced against a CARB executive order that verifies the emission of every equipment engine. The NRCS calculation worksheets and emission factors are posted on-line at: https://efotg.sc.egov.usda.gov/references/public/CA/TN-AQ-04_CPS-372_Estimating_Emissions-SIP_Reporting.pdf

Enforceable

The NRCS inspects equipment in proposals prior to contract development to verify the existing mobile off-road agricultural equipment is operational per CPS-372 specifications. Destruction of existing equipment is certified by the disposal operator and participant and date-stamped photos are provided. The Destruction Certification worksheet is posted on-line at: https://efotg.sc.egov.usda.gov/references/public/CA/CA_Destruction_Certification_Worksheet.docx

On an annual basis NRCS reviews at least 5% of all active projects. From these project reviews NRCS verifies that the new equipment is still operational. http://directives.sc.egov.usda.gov/RollupViewer.aspx?hid=25728.

Per Subpart C, 512.22, participants have control of the land for the length of the proposed contract through deed, lease, or other written authorization. If the applicant does not own the land, the landowner must give written consent to install, operate, and maintain the practice through the lifespan of the practice. This is conducted through a partnership with the USDA Farm Service Agency, who is responsible for program eligibility support.

Subpart F covers Contract Administration and provides for recovering liquidated damages for certain deviations to a contract. Handling contract violations is addressed in Subpart H where violations of contract terms must be corrected by

the participant within a reasonable period of time to comply. If the violation continues, the contract may be terminated and future program participation deferred.

Permanent

NRCS eligibility is based on the county that the tractor resides in; in this case, the tractor has to reside within one of the eight counties of the San Joaquin Valley. Under the NAQI, the NRCS prioritizes applications based on a county's non-attainment designation within California. Applications received from attainment areas are not eligible. Currently, only the emission reductions originating from within the eight San Joaquin Valley counties are seeking SIP credit under this proposal. The destruction of the existing mobile off-road engines and equipment are verified per CPS 372 specifications, posted on-line at: https://efotg.sc.egov.usda.gov/references/public/CA/372-CA-PS-11-2018.docx Destruction certification worksheets are posted on-line at: https://efotg.sc.egov.usda.gov/references/public/CA/CA_Destruction_Certification_Worksheet.docx. The NRCS also has a stipulation that the tractor has to be tied to the land where it is in use. This requires that the tractor be used 100% of the time in the San Joaquin Valley. Under the NAQI, NRCS staff verifies by site visit the operational condition of the existing mobile off-road agricultural equipment. Destruction of the existing equipment and emissions certification verifications are performed to determine contract compliance.

The Combustion Systems Improvement of Mobile Engines incentive program is unique from other incentive programs in that NRCS is explicitly prohibited from identifying Grantees by name under the Food, Conservation, and Energy Act of 2008 (7 U.S.C. § 8791). NRCS must maintain the confidentiality of information provided by an agricultural producer participating in the NRCS Combustion Systems Improvement of Mobile Engines incentive program. The information is exempt from mandatory disclosure and may not be used in judicial or administrative proceedings without the consent of the person involved. However, in March 2014, NRCS, EPA, the District and CARB signed the "Addendum to the December 2010 Statement of Principles Regarding the Approach to State Implementation Plan Creditability of Agricultural Equipment Replacement Incentive Programs Implemented by the USDA NRCS and the San Joaquin Valley Air Pollution Control District" (Addendum). The purpose of this Addendum is to identify information that NRCS will make available to EPA and the District, consistent with NRCS's statutory responsibilities under Section 1619 of the Farm Bill, to ensure that both EPA and the District can carry out their respective implementation responsibilities under the CAA and Rule 9610.

A summary of emission reductions achieved through the use of the NRCS Combustion System Improvement of Mobile Engines incentive program guidelines is included in Section VI of this report. The NRCS Combustion System Improvement of Mobile Engines incentive program can be found online at:

Practice Standard:

- CPS 372, Sept 2010: https://efotg.sc.egov.usda.gov/references/public/CA/Archived_372-std-09-2010.pdf
- Interim 723, May 2009: https://efotg.sc.egov.usda.gov/references/public/CA/723-std-5-09.pdf

CPS 372 Specifications:

- Nov 2014: https://efotg.sc.egov.usda.gov/references/public/CA/372-spec-11-14.doc
- Aug 2013: https://efotg.sc.egov.usda.gov/references/public/CA/372-spec-8-13.doc
- Sept 2010: https://efotg.sc.egov.usda.gov/references/public/CA/372-spec-09-10.doc

CPS 372 O&M:

- Sept 2010: https://efotg.sc.egov.usda.gov/references/public/CA/372-OM-09-10.doc

5. Guidelines Used Under Section 3.2 of Rule 9610

The Annual Demonstration Report employs Section 3.2 of the Rule 9610 by claiming SIP credit for incentive-based emission reductions from the FARMER Guidelines for Agricultural UTV Replacement, Agricultural On-Road Heavy-Duty Truck Replacement and Off-Road Cotton Picker replacement. The CARB Carl Moyer Program Guidelines (2005, 2008, 2011) for locomotive alternative technology switchers and new electric forklift purchases and the reductions from the Proposition 1B Guidelines for Locomotive Replacement. The summaries of these SIP-creditable incentive-based emission reductions claimed under Section 3.2 of Rule 9610 are included in Section VI of this annual demonstration report and the detailed information for each project is presented in the Annual Demonstration Report Data Sheet that accompanies this report.

The following discussion demonstrates that each such incentive program guideline provides for SIP-creditable emission reductions.

Agricultural UTV Replacement

Projects funded with the FARMER Guidelines followed all required steps to ensure SIP-creditability criteria were met as follows:

Surplus – There are currently no federal, state, or local rules or regulations pertaining to the emissions of agriculturally used off-road UTVs in the state of California. Therefore, all incentive-based emission reductions are surplus.

Quantifiable – The FARMER Guidelines provide calculation methodologies and emission factors for UTV projects. These methodologies have been reviewed and adopted through a public process. All UTV projects in this Annual Demonstration

Report were quantified using these SIP-creditable calculation methodologies found in Appendix A.

Enforceable –These projects included legally binding contracts between the grantee and the District that identified the party or parties responsible for ensuring that the emission reductions were achieved. These contracts also obligated the grantee to provide all records needed to demonstrate the emissions reduced.

Permanent – Per contractual requirements, the electric UTV is required to be operated for the duration of the project life and the old UTV is required to be permanently disabled at a District contracted dismantling facility.

Agricultural Heavy-Duty On-Road Truck Replacement

Projects funded with the FARMER Guidelines followed all required steps to ensure SIP-creditability criteria were met as follows:

Surplus – The on-road trucks that were funded are used for agricultural purposes and were verified to be in compliance at the time of application, and therefore any emissions calculated are surplus to the final state regulation in 2024.

Quantifiable – The FARMER Guidelines refer to the current Carl Moyer guidelines that provide calculation methodologies and emission factors for on-road projects. These methodologies have been reviewed and adopted through a public process. All on-road projects in this Annual Demonstration Report were quantified using these SIP-creditable calculation methodologies.

Enforceable –These projects included legally binding contracts between the grantee and the District that identified the party or parties responsible for ensuring that the emission reductions were achieved. These contracts also obligated the grantee to provide all records needed to demonstrate the emissions reduced.

Permanent – Per contractual requirements, the cleaner truck is required to be operated for the duration of the project life and the old truck is required to be permanently disabled at a District contracted dismantling facility.

Cotton Pickers

Projects funded with the FARMER Guidelines followed all required steps to ensure SIP-creditability criteria were met as follows:

Surplus – There are currently no federal, state, or local rules or regulations pertaining to the emissions of agriculturally used off-road cotton pickers in the state of California. Therefore, all incentive-based emission reductions are surplus.

Quantifiable – The FARMER Guidelines provide calculation methodologies and emission factors for cotton picker projects. These methodologies have been reviewed and adopted through a public process. All cotton picker projects in this Annual Demonstration Report were quantified using these SIP-creditable calculation methodologies found in Appendix A.

Enforceable –These projects included legally binding contracts between the grantee and the District that identified the party or parties responsible for ensuring that the emission reductions were achieved. These contracts also obligated the grantee to provide all records needed to demonstrate the emissions reduced.

Permanent – Per contractual requirements, the cotton picker is required to be operated for the duration of the project life and the old cotton picker(s) is/are required to be permanently disabled at a District contracted dismantling facility

Locomotive Repower

Projects funded with the 2008 and 2011 Carl Moyer Program Guidelines followed all required steps to ensure SIP-creditability criteria were met as follows:

Surplus – There are currently no federal, state, or local rules or regulations pertaining to the emissions of locomotives in the state of California. Therefore, all incentive-based emission reductions are surplus.

Quantifiable – The Carl Moyer Guidelines provide calculation methodologies and emission factors for locomotive projects. These methodologies have been reviewed and adopted through a public process. All locomotive projects in this Annual Demonstration Report were quantified using these SIP-creditable calculation methodologies, as referenced on the Manual of Procedures website.

Enforceable – The District performed inspections pursuant to Carl Moyer Guideline requirements and satisfied enforceability requirements under Section 4.0 of Rule 9610. These inspections verified contractual requirements were followed thus ensuring projected emission reductions were achieved. These projects included legally binding contracts between the grantee and the District that identified the party or parties responsible for ensuring that the emission reductions were achieved. These contracts also obligated the grantee to provide all records needed to demonstrate the emissions reduced.

Permanent – Per contractual requirements, the cleaner locomotive is required to be operated for the duration of the project life.

Purchase of New Electric Forklifts

Projects funded with the 2008 Carl Moyer Program Guidelines followed all required steps to ensure SIP-creditability criteria were met, as follows:

Surplus – The current regulation for off-road mobile equipment has an exemption for agricultural-use vehicles. The forklifts that were funded are used solely for agricultural purposes, and therefore are surplus to the state regulation.

Quantifiable – The Carl Moyer Guidelines provide calculation methodologies and emission factors for forklift projects. These methodologies have been reviewed and adopted through a public process. All forklift projects in this report were quantified using these SIP-creditable calculation methodologies. This methodology assumes the baseline equipment to be a new diesel forklift. Therefore, new purchases of electric forklifts are calculated based on the difference in emissions between a new diesel forklift and a new electric forklift.

Enforceable – The District performed inspections pursuant to Carl Moyer Guideline requirements and satisfied enforceability requirements under Section 4.0 of Rule 9610. These inspections verified contractual requirements were followed thus ensuring projected emission reductions were achieved. These projects included legally binding contracts between the grantee and the District that identified the party or parties responsible for ensuring that the emission reductions were achieved. These contracts also obligated the grantee to provide all records needed to demonstrate the emissions reduced.

Permanent – Per contractual requirements, the new electric forklift is required to be operated for the duration of the project life.

Proposition 1B Locomotive Replacement

Projects funded with the Proposition 1B Program Guidelines followed all required steps to ensure SIP-creditability criteria were met as follows:

Surplus – There are currently no federal, state, or local rules or regulations pertaining to the emissions of locomotives in the state of California. Therefore, all incentive-based emission reductions are surplus.

Quantifiable – The Proposition 1B Guidelines provide calculation methodologies and emission factors for locomotive projects. These methodologies have been reviewed and adopted through a public process. All locomotive projects in this Annual Demonstration Report were quantified using these SIP-creditable calculation methodologies, as referenced on the Manual of Procedures website.

Enforceable – The District performed inspections pursuant to Proposition 1B Guideline requirements and satisfied enforceability requirements under Section 4.0 of Rule 9610. These inspections verified contractual requirements were followed thus ensuring projected emission reductions were achieved. These projects included legally binding contracts between the grantee and the District that identified the party or parties responsible for ensuring that the emission reductions were achieved. These

contracts also obligated the grantee to provide all records needed to demonstrate the emissions reduced.

Permanent – Per contractual requirements, the locomotive(s) is/are required to be operated for the duration of the project life and the old locomotive(s) is/are required to be permanently disabled.

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III. RELEVANT SIP COMMITMENTS

Through Rule 9610, the District may rely on SIP-creditable incentive-based emission reductions to satisfy federal CAA requirements, including the demonstration of attainment, Reasonable Further Progress, Rate of Progress, contingency measures, and/or black box reductions (Section 182(e)(5) of the CAA). For such SIP commitments, the District identifies specific amounts of SIP-creditable emission reductions by year in the relevant SIP. This annual demonstration report then identifies the SIP commitments included in District adopted SIPs (by year, pollutant, and magnitude) which the District has satisfied, in whole or in part, through SIP-creditable emission reductions. This annual demonstration report also identifies and quantifies any SIP commitment shortfalls and remedies for which incentives are used to address those shortfalls.

A. SIP Commitments Satisfied

***2008 PM2.5 Plan* (Contingency Quantification, 2015):** The District met its *2008 PM2.5 Plan* commitment to quantify an adequate amount of contingency emissions reductions, including SIP-creditable emissions reductions from incentive programs quantified in this report. On May 22, 2014, EPA approved a SIP revision to address CAA nonattainment area contingency measure requirements for the 1997 annual and 24-hour fine particulate matter (PM2.5) NAAQS in the San Joaquin Valley.[3] SIP-creditable incentive-based emission reductions accounted for by EPA in this proposed approval include on-road vehicle replacement projects that have been funded through the Prop 1B program and agricultural off-road vehicle replacement projects funded through the Carl Moyer Program. However, EPA then proposed to withdraw the approval of the *2008 PM2.5 Plan* contingencies finding that the requirement had become moot because the District had already met the RFP requirements relevant to the *2008 PM2.5 Plan* by the time of EPA's May 22, 2014 action.[4] Then, on May 12, 2016, EPA took final action to withdraw its approval of the 2008 PM2.5 contingencies and disapproved the SIP submission[5] in response to a court case.[6] EPA determined the identified deficiency in the *2008 PM2.5 Plan* has been addressed and permanently stopped associated sanctions clocks effective December 14, 2017.[7] However, it is important to note that this attainment plan is still not an approved plan in the California SIP.

[3] EPA, Approval and Promulgation of Implementation Plans; California; San Joaquin Valley; Contingency Measures for the 1997 PM2.5 Standards, 79 Fed. Reg. 99, pp. 29327 - 29351. (2014, May 22). (to be codified at 40 CFR Part 52). Retrieved July 2014 at http://www.gpo.gov/fdsys/pkg/FR-2014-05-22/pdf/2014-11681.pdf

[4] EPA, Withdrawal of Approval and Disapproval of Air Quality Implementation Plans; California; San Joaquin Valley; Contingency Measures for the 1997 PM2.5 Standards. 80 Fed, Reg. 158, pp. 49190-49193. (2015, August 17). https://www.gpo.gov/fdsys/pkg/FR-2015-08-17/pdf/2015-20240.pdf

[5] EPA, Withdrawal of Approval and Disapproval of Air Quality Implementation Plans; California, San Joaquin Valley; Contingency Measures for the 1997 PM2.5 Standards; Final Rule. 81 Fed. Reg. 92. pp.29498-29501 (2016, May 12). (to be codified at 40 CFR Part52) https://www.gpo.gov/fdsys/pkg/FR-2016-05-12/pdf/2016-11125.pdf

[6] U.S. Court of Appeals for the Ninth Circuit (*Committee for a Better Arvin v. EPA,* 786 F.3d 1169 (9th Cir. 2015))

[7] Contingency Measures for the 1997 PM2.5 Standards; California; San Joaquin Valley; Correction of Deficiency; Final Rule. 82 Fed. Reg. 239, pp. 58747-58750. (2017, December 14). (to be codified at 40 CFR Part 52). https://www.gpo.gov/fdsys/pkg/FR-2017-12-14/pdf/2017-26899.pdf

***2007 Ozone Plan* (Agricultural Equipment, 2017):** The District met its 2007 Ozone Plan commitment to achieve SIP-creditable emissions reductions from incentive reductions, as demonstrated in the 2018 annual demonstration report.

The 2007 San Joaquin Valley 8-Hour Ozone SIP (*2007 Ozone Plan)*, approved by EPA, contained a commitment by CARB to achieve emissions reductions of 5 to10 tpd of NOx from mobile agricultural equipment in the Valley by 2017 to accelerate progress toward attainment of the ozone standard. The attainment deadline is 2024, using data from 2021-2023. In October 2013, CARB adopted the *State Implementation Plan Credit from Mobile Agricultural Equipment Regulation* which provides the administrative mechanism for emission reductions resulting from mobile agricultural equipment program projects funded by the Carl Moyer Program to be eligible for SIP credit. The CARB Office of Administrative Law (OAL) approved the rulemaking and filed it with the Secretary of State on October 8, 2014. The rulemaking became effective on January 1, 2015.[8]

Beginning in 2009, the District and NRCS, in partnership with agricultural stakeholders, launched incentive programs aimed at reducing emissions from agricultural equipment. These programs have been well-funded and have achieved significant emission reductions since 2009. As documented in the 2018 Annual Demonstration Report and by CARB at their May 2017 Public Hearing[9], agricultural equipment replacement projects implemented by the District and NRCS achieved SIP-creditable emissions reductions far in excess of the NOx commitment in the *2007 Ozone Plan* ahead of the 2017 target.

The District and NRCS are continuing to invest significant additional funding to replace agricultural equipment, and the total emissions reductions achieved will continue to grow substantially in the next several years.

B. Pending SIP Commitments

State Implementation Plans to Address the 1997, 2006, and 2012 PM2.5 Standards[10]: On September 15, 2016, the District adopted the *2016 Moderate Area Plan for the 2012 PM2.5 Standard (2016 PM2.5 Plan*). On November 15, 2018, the District adopted the *2018 Plan for the 1997, 2006, and 2012 PM2.5 Standards (2018 PM2.5 Plan)* to address the EPA federal 1997 annual PM2.5 standard of 15 µg/m³ and 24-hour PM2.5 standard of 65 µg/m³; the 2006 24-hour PM2.5 standard of 35 µg/m³; and the 2012 annual PM2.5 standard of 12 µg/m³. On January 24, 2019, CARB approved these plans, and CARB submitted both plans to EPA for approval on May 9, 2019. On July 22, 2020, EPA took final action to approve the portions of the *2018 PM2.5* Plan that pertain to the 2006 24-hour PM2.5 standard[11]. The *2018 PM2.5 Plan* includes a comprehensive suite

[8] CARB, *State Implementation Plan Credit from Mobile Agricultural Equipment*. Resolution 12-42, Agenda Item No.: 13-9-7 (2013, October 25). https://www.arb.ca.gov/regact/2013/sipmobileag2013/res13-42.pdf

[9] CARB May 25, 2017 Public Hearing, https://ww3.arb.ca.gov/board/books/2017/052517/17-5-3pres.pdf

[10] SJVAPCD. *2018 PM2.5 Plan for 1996, 2006, and 2012 PM2.5 Standards* (2018, November 15) retrieved on 7/30/19 from: http://valleyair.org/pmplans/documents/2018/pm-plan-adopted/2018-Plan-for-the-1997-2006-and-2012-PM2.5-Standards.pdf

[11] *Clean Air Plans; 2006 Fine Particulate Matter Nonattainment Area Requirements; San Joaquin Valley, California*; Final Rule. https://www.govinfo.gov/content/pkg/FR-2020-07-22/pdf/2020-14471.pdf

of regulatory and incentive-based measures for both stationary and mobile sources, and also includes a targeted Hot-Spot Strategy that achieves additional reductions from residential wood burning and commercial charbroiling. The plan includes commitments from the District and CARB to attain an aggregate amount of emissions reductions from local measures for stationary sources and mobile sources. District measures are anticipated to achieve emissions reductions of 1.30 tons per day of NOx and 1.88 tons per day of PM2.5 by the applicable attainment deadlines of 2024 and 2025. Additionally, state measures implemented by CARB are anticipated to achieve 32.0 tons per day of NOx and 1.0 tons per day of PM2.5. The total emissions reductions achieved towards aforementioned SIP commitments will be documented in future annual demonstration reports.

C. SIP Commitment Shortfalls

There are no shortfalls at this time; therefore, there are no remedy actions to be taken.

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IV. MONITORING AND ENFORCEMENT ACTIVITIES

Pursuant to Section 4.6 of Rule 9610 this annual demonstration report includes a summary of monitoring and enforcement activities that were conducted during the reporting period from 05/14/2009 – 05/21/2020. Monitoring is performed on all projects in the form of pre-inspections prior to contract, post-inspections prior to payment and annual usage surveys filled out by the grantee for the life of the project.

Inspections are performed or reviewed by District staff and include visual verification and photographically document equipment information such as but not limited to:

- Make, model, and model year of the engine and/or vehicle or equipment,
- Vehicle, equipment, and/or engine identification and serial numbers,
- Operational condition of vehicle, equipment, and engine

The District reviews all inspection information to ensure that the submitted information is true and accurate prior to contracting a new project and prior to payment of reimbursement requests from grantees. The table below illustrates the number of pre-inspection and post-inspection that were conducted during the reporting period.

Table 7: Incentive Program Project Inspections

Year	Pre-Inspections	Post-Inspections
2009	924	147
2010	790	887
2011	1144	966
2012	2298	1372
2013	2184	1533
2014	2034	1240
2015	521	1329
2016	1028	1021
2017	2032	1091
2018	2172	1597
2019	2164	3467
2020	917*	1311*

**As of May 22, 2020*

District incentive project contractual agreements specify that Grantees must provide data to the District on an annual basis for the duration of their contract period. The required data includes usage data (mileage, hours of operation, percent utilization within the District, etc). The usage data is analyzed by the District to ensure that the incentive projects are achieving the projected emission reductions. The table below illustrates the quantity of usage report surveys distributed from the District to Grantees and the quantity of Grantee completed usage report surveys returned to the District.

Table 8: Incentive Program Annual Usage Reports

Year	Usage Report Surveys Distributed to Grantees	Completed Usage Report Surveys Returned to the District
2011	3245	2948
2012	3426	3668
2013	4591	4033
2014	5421	4931
2015	5553	4631
2016	5683	5782
2017	6095	5270
2018	7460	5237
2019	6762	5439
2020	2558*	2619*

**As of May 22, 2020*

The District maintains a robust process of collecting and analyzing annual usage data for incentive projects from grantees (e.g. – annual mileage, fuel usage, hours of operation, etc.) This information is collected for the duration of the project life of each individual project. Annual usage of individual projects can vary due to a variety of factors. For example, current drought conditions in the Valley significantly affect the use of agricultural irrigation pump engines causing usage to vary due to increased or decreased pumping needs, crop changes, surface water delivery, etc. Since annual variations can change over the course of the project life, any shortages/overages from the projected use on a yearly basis will likely be resolved when usage is quantified at the end of the project life. The District closely monitors and analyzes annual usage for each project over their respective project lives to ensure that the projects are achieving their expected overall usage and associated emission reductions. Annual usage reports are distributed to Grantees and received from Grantees on a monthly to daily basis throughout the year. Because of the variability in the number of annual reports distributed and received during the reporting period, the number of reports distributed and received will differ. For example, a number of annual reports distributed towards the end of the 2019 reporting period were not received back by the District by the cut-off date for this report. These annual reports are accounted for in the 2020 Annual Demonstration Report. To date, the overall annual usage associated with the project categories included in this report are performing as expected, meeting approximately 85% of their claimed annual usage. The District will continue to monitor annual usage and make any adjustments to claimed emission reductions in the future, as necessary.

A. Carl Moyer Program Specific Monitoring and Enforcement Activities

Project specific audits are conducted in addition to the monitoring and enforcement activities mentioned above. The project specific audits are conducted between November and December each calendar year and cover all Carl Moyer Program projects that have been implemented and are at least one year into their contracted project life but have not concluded their contracted project life. Projects selected for audit review consist of a 5% random sample of active projects or 20 projects (whichever is less) and all projects that are at least 6 months past due with their most recent annual usage survey. These audits follow procedures set forth in the Carl Moyer Program Guidelines. Projects selected for auditing are reviewed to ensure contract terms are fulfilled; emission reduction calculations are verified and project information is confirmed against the District database for accuracy. An inspection is conducted for each project to verify that the equipment, vehicle or practice is still owned (or in practice) by the Grantee and operational in the same piece of equipment and/or intended use as was contracted. Inspections also verify engine/equipment serial numbers, operational condition and verification of functioning odometer, hour meter/usage device, fuel receipts, or electronic monitoring unit.

If deficiencies are discovered as part of an incentive project audit, the District utilizes remedies identified in section IV (A) above.

2013 – 2019 Calendar Year Carl Moyer Project Specific Audit:

The following table shows audited projects that were determined to be in violation of their contractual terms and the enforcement actions that were taken by the District. For the current 2019 report, there are no new projects to report.

Table 9: Carl Moyer Program Projects with Contractual Violations

Project Number	Annual Demonstration Report Year	Contractual Violation	Action Taken
C-2326	2013	Did not meet minimum usage requirements	Extended contract term 1 additional year
N/A	2014	*No projects to report*	
N/A	2015	*No projects to report*	
N/A	2016	*No projects to report*	
N/A	2017	*No projects to report*	
N/A	2018	*No projects to report*	
N/A	2019	*No projects to report*	

C. Proposition 1B Program Monitoring and Enforcement Activities

In January 2007, Governor Schwarzenegger signed Executive Order S-02-07 which highlighted the importance of transparency and accountability in administering over $40

billion in bond funding approved by California voters in 2006. The Executive Order directs all State government entities responsible for expending bond proceeds to establish and document a three part accountability structure. In 2008 Department of Finance (DOF) approved the accountability plan that CARB developed for the Proposition 1B Program which includes:

- Front-end accountability, which defines the criteria for expending bond funds as well as the outcomes that the funds are intended to achieve.
- In-progress accountability, which documents actions to ensure projects are staying within scope and cost, and requires semi-annual reports to the Department of Finance.
- Follow up accountability, which requires Program review or fiscal audits to ensure expenditures achieved the intended outcomes and were consistent with legal requirements.

The District evaluates Proposition 1B equipment projects on an ongoing basis though desk reviews of reports and equipment project updates provided by equipment owners, review of electronic monitoring unit data (as applicable), site inspections, equipment inspections, review of equipment maintenance and activity logs, and other measures deemed appropriate. In addition, equipment project contracts require that equipment owners permit the District, CARB, DOF, the Bureau of State Audits, or any authorize designees, access during normal business hours, to conduct ongoing evaluations for the purpose of monitoring the program. The following table shows audited projects that were determined to be in violation of their contractual terms and the enforcement actions that were taken by the District. For the current 2020 report, there are no new projects to report.

Table 10: Proposition 1B Program Projects with Contractual Violations

Project Number	Annual Demonstration Report Year	Contractual Violation	Action Taken
P-0314-A	2013	*Unit 1 Annual Usage reports incomplete and/or missing. Unable to reach applicant, certified mail returned undeliverable.*	Sent to Legal for review and possible further action, associated reductions were removed from the cumulative totals in this report
P-0463-A	2013	*Units 11 & 13 Annual Usage reports incomplete and/or missing. Unable to reach applicant, certified mail returned undeliverable*	Sent to Legal for review and possible further action, associated reductions were removed from the cumulative totals in this report

C-14326-A	2013	*Units 1-2 Annual Usage reports incomplete and/or missing. Unable to reach applicant, certified mail returned undeliverable*	Sent to Legal for review and possible further action, associated reductions were removed from the cumulative totals in this report
P-0610-A	2013	*Units 11, 14, 31, 37, 40, 49, 53, & 67 Equipment was no longer owned by applicant due to re-possession*	Sent to Legal for review and possible further action, associated reductions were removed from the cumulative totals in this report
C-14254-A	2013	*Unit 1 Equipment was no longer owned by applicant due to re-possession*	Sent to Legal for review and possible further action, associated reductions were removed from the cumulative totals in this report
C-14348-A	2013	*Units 5 & 10, No annual usage reports received, Unable to locate applicant or associated business.*	Sent to Legal for review and possible further action, associated reductions were removed from the cumulative totals in this report
P-0346	2013	Did not purchase eligible equipment as stated in contract	District took legal action, received judgment by court for amount funded
N/A	2014	*No projects to report*	
N/A	2015	*No projects to report*	
P-0368-A	2016	*Units 18-20, 24. Equipment was no longer owned by applicant due to re-possession*	Projects were closed and associated reductions were removed from the cumulative totals in this report
N/A	2017	*No projects to report*	
N/A	2018	*No projects to report*	
N/A	2019	*No projects to report*	

D. Combustion Systems Improvement of Mobile Engines Program Monitoring and Enforcement Activities

The USDA NRCS webpage at https://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/programs/financial/eqip/?cid=nrcseprd1342638 summarizes program eligibility. The guidelines state the following: The Grantee has control of the land for the length of the proposed contract through deed, lease, or other written authorization. If the Grantee does not own the land, the landowner must give written consent to install, operate, and maintain the practice through the lifespan of the practice. Engine improvements are covered under Conservation Practice Standard 372 – Combustion System Improvement, posted on-line in the NRCS Field

Office Technical Guide (FOTG) at: https://efotg.sc.egov.usda.gov/references/public/CA/372-std-11-2019.pdf. The CPS 372 practice life is 10 years as described on the FOTG spreadsheet at: https://efotg.sc.egov.usda.gov/references/public/CA/Practices_Lifespans_2012-12_CA.xlsx . NRCS incentive program contracts state that if the tractor is not retained for 10-years then the Grantee will owe a pro-rated amount back to the NRCS.

With regards to the identification of project audits, usage reports, inspections, and other project monitoring activities including enforcement actions as required to Section 4.6 of Rule 9610, the Combustion Systems Improvement of Mobile Engines incentive program is unique from other incentive programs in that NRCS is explicitly prohibited from identifying grantees by name.

Under section 1619 of the Food Conservation, and Energy Act of 2008, Congress has prohibited the Secretary of the USDA and any officer or employee of the USDA from disclosing "information provided by an agricultural producer or owner of agricultural land concerning the agricultural operation, farming or conservation practices, or the land itself, in order to participate in" a USDA program. 7 U.S.C. 8791. Any contractor or cooperator of the USDA is similarly prohibited from disclosing such information. There are several exceptions to this prohibition, including that USDA may disclose information if it is transformed into a statistical or aggregate form without naming any individual owner, operator or producer or a specific data gathering site.

Taking these statutory prohibitions into account, in March 2014, NRCS, EPA, CARB, and the District signed the "Addendum to the December 2010 Statement of Principles Regarding the Approach to State Implementation Plan Creditability of Agricultural Equipment Replacement Incentive Programs Implemented by the USDA Natural Resources Conservation Service and the San Joaquin Valley Air Pollution Control District" (2014 Addendum). The purpose of the 2014 Addendum is to identify information and documentation that NRCS will, consistent with its statutory responsibilities under 7 U.S.C. 8791, make publicly available to ensure that EPA and the District can carry out respective implementation responsibilities under the CAA and Rule 9610. Among other things, the 2014 Addendum states that NRCS will provide EPA and the District with an annual report that includes information regarding emission reductions achieved by individual EQIP projects and that will be certified by the NRCS California State Conservationist by March 31 of each year. Any information provided to the public specific to NRCS grant programs shall be in accordance with the 2014 Addendum.

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Table 11: Canceled NRCS Projects Previously Reported

Project Number	Annual Demonstration Report Year	Status	Related Emissions Reductions (total tons/year)
47	2014	Cancelled	2.90
268	2014	Cancelled	0.27
269	2014	Cancelled	1.15
270	2014	Cancelled	0.72
546	2013	Sold Equipment	2.59
574	2013	Sold Equipment	1.40
784	2014	Cancelled	3.29
1209	2016	Sold Equipment	0.12
1221	2016	Sold Equipment	1.38
1558	2016	Sold Equipment	0.55
1750	2016	Sold Equipment	0.37
2368	2018	Sold Equipment	1.53
2448	2018	Equip Failure	0.61

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V. INCENTIVE PROGRAM EVALUATION

The District's incentive programs have been developed around several core principles, including cost-effectiveness, integrity, effective program administration, excellent customer service, the efficient use of District resources, fiscal transparency and public accountability. As a result of these focused efforts, the District has become a statewide leader in incentive programs with several elements of these programs being held as models for other air districts' incentive programs throughout California. In fact, the CARB routinely calls upon the District to administer statewide incentive programs on their behalf and on behalf of other local air districts. Recent examples include administering the Lower Emission School Bus Program on behalf of CARB and 18 other air districts, the statewide School Bus Retrofit Program and administering the Carl Moyer Program on behalf of two other air districts.

The District is regularly audited by independent outside agencies including professional accountancy corporations on behalf of the federal government, CARB, the California DOF and the California Bureau of State Audits.[12] These comprehensive and rigorous independent audits focus on every aspect of our incentive programs including District programmatic and fiscal controls. These audits are conducted to ensure that the public funds to which the District has been entrusted are spent appropriately and in the manner in which they were intended. The District welcomes these opportunities to gain valuable feedback regarding implementation of these critical programs. Periodic evaluations such as these are important tools that the District uses to ensure continuous improvement in operation of these core emission reduction strategies. Towards that end, the District's incentive programs were audited by CARB and DOF in 2011, including a thorough review of several of the District's largest and most complex incentive programs totaling more than $215 million over a four year period. The audits focused on the District's implementation of the following programs:

- Carl Moyer Memorial Air Quality Standards Attainment Program,
- Air Quality Improvement Program,
- Proposition 1B: Goods Movement Emission Reduction Program,
- Proposition 1B: Lower Emission School Bus Program, and
- Federal Diesel Emission Reductions Act School Bus Program

These audits included an extensive desk review of specific projects, a thorough review of District internal programmatic and fiscal policies and procedures, and field validation of projects to ensure that the expected emission reductions were being achieved in practice. Overall, the results of the audits confirmed that the District's incentive programs are fiscally sound and are "efficiently and effectively achieving their emission reduction objectives." CARB's audit report concluded that the District is meeting or exceeding all requirements for the expenditure of funds and commended the District for administering the Proposition 1B Lower Emission School Bus Program on behalf of 18 other local air districts. However, the District is continually identifying opportunities to refine its incentive programs and improve the operational efficiency and effectiveness.

[12] The most recent audits of District administered incentive programs can be found online at http://www.arb.ca.gov/msprog/moyer/audits/2011/san_joaquin_valley.htm

VI. SUMMARY OF EMISSION REDUCTIONS AND COST EFFECTIVENESS

The SIP-creditable incentive-based emission reductions represented in this Annual Demonstration Report are from incentive projects implemented 05/22/2019 through 5/21/2020. The data also includes 615 District projects and 101 NRCS projects that were implemented during the timeframes covered under previous reports but were not included in those data sets at the time. The data represented in these tables will continue to be updated through each annual demonstration report as more projects are implemented each year. Although the purpose of District Rule 9610 is to claim SIP credit for incentive-based emission reductions in the Valley through incentive programs administered by the District, NRCS, or CARB, this Annual Demonstration Report only claims SIP credit for those programs administered by the District and NRCS. Future annual demonstration reports may include programs administered by CARB. For the detailed data used to create the following summary tables, refer to the associated Annual Demonstration Report Data Sheet, available electronically with this annual demonstration report.

Program Summaries

The following table summarizes the total SIP-creditable incentive-based emission reductions generated through incentive programs, expressed in tons per year and tons per day, claimed in this Annual Demonstration Report. This summary includes SIP-creditable incentive-based emission reductions claimed through incentive program guidelines identified in Sections 3.1 and 3.2 of Rule 9610.

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Table 12: Total SIP-Creditable Incentive-Based Emission Reductions Generated Through Incentive Programs

Year	Current Reporting Period						Cumulative Reporting Period					
	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)			Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG
2009	0.00	0.00	0.00	0.00	0.00	0.00	1098.99	35.78	116.17	3.01	0.10	0.32
2010	0.00	0.00	0.00	0.00	0.00	0.00	2655.71	82.02	237.29	7.28	0.22	0.65
2011	0.00	0.00	0.00	0.00	0.00	0.00	4112.25	141.11	364.96	11.27	0.39	1.00
2012	0.64	0.03	0.07	0.00	0.00	0.00	5804.68	210.38	477.51	15.90	0.58	1.31
2013	0.64	0.03	0.07	0.00	0.00	0.00	6699.86	248.37	572.27	18.36	0.68	1.57
2014	0.64	0.03	0.07	0.00	0.00	0.00	6494.06	243.85	564.13	17.79	0.67	1.55
2015	0.64	0.03	0.07	0.00	0.00	0.00	6528.68	252.86	620.84	17.89	0.69	1.70
2016	0.64	0.03	0.07	0.00	0.00	0.00	6491.76	256.09	673.48	17.79	0.70	1.85
2017	0.64	0.03	0.07	0.00	0.00	0.00	6142.10	250.86	719.09	16.83	0.69	1.97
2018	37.99	2.27	3.59	0.10	0.01	0.01	6687.46	288.06	783.66	18.32	0.79	2.15
2019	940.48	58.66	112.31	2.58	0.16	0.31	6956.63	333.61	841.19	19.06	0.91	2.30
2020	1061.23	66.15	125.65	2.91	0.18	0.34	6148.65	312.69	756.51	16.85	0.86	2.07
2021	1057.10	66.07	125.43	2.90	0.18	0.34	5336.82	280.43	647.73	14.62	0.77	1.77
2022	997.77	63.07	118.82	2.73	0.17	0.33	4609.62	247.13	546.58	12.63	0.68	1.50
2023	992.85	63.01	118.36	2.72	0.17	0.32	3979.18	219.94	465.49	10.90	0.60	1.28
2024	974.42	62.86	100.26	2.67	0.17	0.27	3364.05	192.95	363.51	9.22	0.53	1.00
2025	973.51	62.85	99.07	2.67	0.17	0.27	2755.68	165.90	287.50	7.55	0.45	0.79
2026	959.73	61.95	97.59	2.63	0.17	0.27	2326.44	142.10	237.62	6.37	0.39	0.65
2027	959.73	61.95	97.59	2.63	0.17	0.27	1727.83	111.00	173.62	4.73	0.30	0.48
2028	924.51	59.71	94.15	2.53	0.16	0.26	1045.27	67.21	103.06	2.86	0.18	0.28
2029	150.49	8.63	14.23	0.41	0.02	0.04	191.98	10.68	14.23	0.53	0.03	0.04
2030	42.60	1.41	3.04	0.12	0.00	0.01	84.09	3.47	3.04	0.23	0.01	0.01
2031	42.60	1.41	3.04	0.12	0.00	0.01	84.09	3.47	3.04	0.23	0.01	0.01

Tables 13 and 14 below are the subsets of the summary provided in Table 12. Table 13 identifies emission reductions claimed through incentive program guidelines pursuant to Section 3.1 of Rule 9610. Table 14 identifies emission reductions claimed through incentive program guidelines pursuant to Section 3.2 of Rule 9610.

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Table 13: Emission Reductions Claimed through use of Incentive Program Guidelines Pursuant to Section 3.1

Year	Current Reporting Period						Cumulative Reporting Period					
	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)			Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	Nox	PM	ROG	Nox	PM	ROG	Nox	PM	ROG	Nox	PM	ROG
2009	0.00	0.00	0.00	0.00	0.00	0.00	1082.28	35.22	114.57	2.96	0.10	0.32
2010	0.00	0.00	0.00	0.00	0.00	0.00	2639.00	81.46	235.69	7.23	0.22	0.65
2011	0.00	0.00	0.00	0.00	0.00	0.00	4089.89	140.21	363.01	11.21	0.39	0.99
2012	0.64	0.03	0.07	0.00	0.00	0.00	5721.88	206.47	469.23	15.67	0.57	1.29
2013	0.64	0.03	0.07	0.00	0.00	0.00	6611.93	244.33	563.80	18.12	0.67	1.55
2014	0.64	0.03	0.07	0.00	0.00	0.00	6406.08	239.80	555.66	17.55	0.66	1.53
2015	0.64	0.03	0.07	0.00	0.00	0.00	6426.59	248.48	611.52	17.61	0.68	1.67
2016	0.64	0.03	0.07	0.00	0.00	0.00	6389.62	251.70	664.16	17.51	0.69	1.82
2017	0.64	0.03	0.07	0.00	0.00	0.00	5998.43	244.41	709.76	16.44	0.67	1.94
2018	36.80	2.27	3.51	0.10	0.01	0.01	6541.24	281.58	773.70	17.92	0.77	2.12
2019	876.16	56.65	89.75	2.40	0.16	0.25	6737.28	324.76	801.38	18.46	0.89	2.19
2020	984.05	63.86	100.94	2.70	0.17	0.28	5916.44	303.56	714.55	16.21	0.83	1.96
2021	981.12	63.78	100.80	2.69	0.17	0.28	5106.37	271.30	605.89	13.99	0.74	1.66
2022	933.69	61.44	96.04	2.56	0.17	0.26	4395.30	238.95	507.27	12.04	0.66	1.39
2023	932.75	61.44	96.04	2.56	0.17	0.26	3769.68	211.85	427.15	10.33	0.58	1.17
2024	930.91	61.44	96.04	2.55	0.17	0.26	3193.68	185.65	351.57	8.75	0.51	0.97
2025	930.91	61.44	96.04	2.55	0.17	0.26	2657.42	162.09	283.61	7.28	0.44	0.78
2026	917.14	60.54	94.55	2.51	0.17	0.26	2242.30	138.63	234.58	6.14	0.38	0.64
2027	917.14	60.54	94.55	2.51	0.17	0.26	1643.74	107.53	170.58	4.50	0.29	0.47
2028	881.91	58.30	91.11	2.42	0.16	0.25	961.18	63.74	100.02	2.63	0.17	0.27
2029	107.89	7.21	11.20	0.30	0.02	0.03	107.89	7.21	11.19	0.30	0.02	0.03
2030	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2031	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 14: Emission Reductions Claimed through use of Incentive Program Guidelines Pursuant to Section 3.2.1

Year	Current Reporting Period						Cumulative Reporting Period					
	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)			Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	Nox	PM	ROG	Nox	PM	ROG	Nox	PM	ROG	Nox	PM	ROG
2009	0.00	0.00	0.00	0.00	0.00	0.00	16.71	0.56	1.60	0.05	0.00	0.00
2010	0.00	0.00	0.00	0.00	0.00	0.00	16.71	0.56	1.60	0.05	0.00	0.00
2011	0.00	0.00	0.00	0.00	0.00	0.00	22.36	0.90	1.95	0.06	0.00	0.01
2012	0.00	0.00	0.00	0.00	0.00	0.00	82.80	3.91	8.28	0.23	0.01	0.02
2013	0.00	0.00	0.00	0.00	0.00	0.00	87.93	4.04	8.47	0.24	0.01	0.02
2014	0.00	0.00	0.00	0.00	0.00	0.00	87.98	4.05	8.47	0.24	0.01	0.02
2015	0.00	0.00	0.00	0.00	0.00	0.00	102.09	4.38	9.32	0.28	0.01	0.03
2016	0.00	0.00	0.00	0.00	0.00	0.00	102.14	4.39	9.32	0.28	0.01	0.03
2017	0.00	0.00	0.00	0.00	0.00	0.00	143.67	6.45	9.33	0.39	0.02	0.03
2018	1.19	0.00	0.08	0.00	0.00	0.00	146.22	6.48	9.96	0.40	0.02	0.03
2019	64.32	2.01	22.56	0.18	0.01	0.06	219.35	8.85	39.81	0.60	0.02	0.11
2020	77.18	2.29	24.71	0.21	0.01	0.07	232.21	9.13	41.96	0.64	0.03	0.11
2021	75.99	2.29	24.63	0.21	0.01	0.07	230.45	9.13	41.84	0.63	0.03	0.11
2022	64.08	1.63	22.78	0.18	0.00	0.06	214.32	8.18	39.31	0.59	0.02	0.11
2023	60.10	1.57	22.33	0.16	0.00	0.06	209.50	8.09	38.34	0.57	0.02	0.11
2024	43.51	1.42	4.22	0.12	0.00	0.01	170.37	7.30	11.94	0.47	0.02	0.03
2025	42.60	1.41	3.04	0.12	0.00	0.01	98.26	3.81	3.89	0.27	0.01	0.01
2026	42.60	1.41	3.04	0.12	0.00	0.01	84.14	3.47	3.04	0.23	0.01	0.01
2027	42.60	1.41	3.04	0.12	0.00	0.01	84.09	3.47	3.04	0.23	0.01	0.01
2028	42.60	1.41	3.04	0.12	0.00	0.01	84.09	3.47	3.04	0.23	0.01	0.01
2029	42.60	1.41	3.04	0.12	0.00	0.01	84.09	3.47	3.04	0.23	0.01	0.01
2030	42.60	1.41	3.04	0.12	0.00	0.01	84.09	3.47	3.04	0.23	0.01	0.01
2031	42.60	1.41	3.04	0.12	0.00	0.01	84.09	3.47	3.04	0.23	0.01	0.01

1. Prop1B Locomotive projects are contracted with a 15 year project life, Ag Trucks have a 3 year project life, and Ag UTVs have a 5 year project life. Moyer locomotive projects were contracted with a 20-year project life.

Cost Effectiveness

The table below is a summary of the overall cost effectiveness (expressed as dollars per ton of emissions reduced), including incentive contributions, and total lifetime emission reductions, for District-administered incentive programs claimed in this annual demonstration report that utilized the Carl Moyer, Proposition 1B, and FARMER incentive program guidelines as identified in Sections 3.1 and 3.2 of Rule 9610. Because each incentive program guideline calculates cost effectiveness differently, the cost-effectiveness represented in Table 15 was calculated by dividing the Incentive Contribution by the total program reductions.

Table 15: Summary of District-Administered Incentive Programs

Project Type	Incentive Contribution Provided	Grantee Investment	Total Emissions Reductions (Lifetime tons)	Cost Effectiveness ($/tons)
Off-Road Mobile Equipment Replacement/Repower/Retrofit [1, 2]	$96,620,585.65	$92,525,803.15	9,830.20	$9,828.95
Agricultural Pump Repower[1]	$236,760.00	$319,022.62	88.38	$2,678.89
New Electric Agricultural Pump[1]	$0.00	$0.00	0.00	$0.00
Truck Replacement[1]	$1,100,000.00	$827,255.37	28.22	$38,984.28
Locomotive Repower[2]	$14,981,193.80	$15,338,557.18	656.77	$22,810.30
Locomotive Replacement[2]	$5,200,000.00	$3,811,923.04	799.51	$6,504.00
Off-Road Agricultural UTV Replacement[2]	$11,634,947.59	$3,931,243.78	184.76	$62,974.77
Truck Replacement-Agricultural[2]	$8,949,100.67	$4,952,267.94	62.03	$144,277.50
New Off-Road Mobile Equipment[2,3]	$0.00	$0.00	0.00	$0.00

1. SIP-creditable incentive-based emission reductions claimed through incentive program guidelines identified in Section 3.1 of Rule 9610.
2. SIP-creditable incentive-based emission reductions claimed through incentive program guidelines identified in Section 3.2 of Rule 9610.
3. New Off-Road Mobile Equipment is specific to the new purchase of electric large spark ignition (LSI) forklifts.

Carl Moyer Incentive Program Guidelines

The following set of tables summarizes the emission reductions claimed in the SIP under Rule 9610 for incentive programs administered by the District using the Carl Moyer Incentive Program Guidelines. Table 16 summarizes the total SIP-creditable incentive-based emission reductions claimed under Sections 3.1 and 3.2 of Rule 9610. Tables 17 through 20 summarize the emission reductions claimed in the SIP from incentive program guidelines identified in Section 3.1 of Rule 9610, while Table 21 summarizes emission reductions claimed in the SIP for locomotive alternative technology switcher projects and new electric forklift purchases, pursuant to Section 3.2 of the rule.

Table 16: Total Claimed SIP-Creditable Incentive-Based Emission Reductions Using the Carl Moyer Guidelines Pursuant to Section 3.1 and Section 3.2

Year	Current Reporting Period						Cumulative Reporting Period					
	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)			Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG
2009	0.00	0.00	0.00	0.00	0.00	0.00	865.21	22.52	96.41	2.37	0.06	0.26
2010	0.00	0.00	0.00	0.00	0.00	0.00	1179.70	31.19	124.29	3.23	0.09	0.34
2011	0.00	0.00	0.00	0.00	0.00	0.00	1568.04	46.24	170.21	4.30	0.13	0.47
2012	0.00	0.00	0.00	0.00	0.00	0.00	2105.25	69.28	236.50	5.77	0.19	0.65
2013	0.00	0.00	0.00	0.00	0.00	0.00	2626.55	90.80	295.16	7.20	0.25	0.81
2014	0.00	0.00	0.00	0.00	0.00	0.00	1971.03	81.41	258.71	5.40	0.22	0.71
2015	0.00	0.00	0.00	0.00	0.00	0.00	2119.97	90.28	281.55	5.81	0.25	0.77
2016	0.00	0.00	0.00	0.00	0.00	0.00	2334.71	100.68	307.80	6.40	0.28	0.84
2017	0.00	0.00	0.00	0.00	0.00	0.00	2613.00	113.87	336.06	7.16	0.31	0.92
2018	32.50	1.99	3.07	0.09	0.01	0.01	3074.35	142.98	378.74	8.42	0.39	1.04
2019	790.78	49.56	78.65	2.17	0.14	0.22	3651.43	187.06	413.76	10.00	0.51	1.13
2020	906.64	56.99	90.36	2.48	0.16	0.25	3704.95	191.76	420.69	10.15	0.53	1.15
2021	903.70	56.91	90.21	2.48	0.16	0.25	3507.44	183.14	393.78	9.61	0.50	1.08
2022	856.92	54.60	85.52	2.35	0.15	0.23	3139.68	165.33	341.44	8.60	0.45	0.94

Year	Current Reporting Period						Cumulative Reporting Period					
	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)			Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG
2023	856.92	54.60	85.52	2.35	0.15	0.23	2795.14	150.12	297.40	7.66	0.41	0.81
2024	856.92	54.60	85.52	2.35	0.15	0.23	2411.11	132.93	248.53	6.61	0.36	0.68
2025	856.92	54.60	85.52	2.35	0.15	0.23	2060.04	117.69	207.58	5.64	0.32	0.57
2026	843.14	53.70	84.04	2.31	0.15	0.23	1747.40	104.18	172.58	4.79	0.29	0.47
2027	843.14	53.70	84.04	2.31	0.15	0.23	1384.94	87.38	137.43	3.79	0.24	0.38
2028	810.65	51.71	80.97	2.22	0.14	0.22	877.32	56.19	88.12	2.40	0.15	0.24

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Table 17: SIP-Creditable Incentive-Based Emission Reductions for Off-Road Compression-Ignition Equipment Replacement Claimed Pursuant to Section 3.1

Year	Current Reporting Period						Cumulative Reporting Period					
	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)			Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG
2009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	0.00	0.00	0.00	0.00	0.00	0.00	170.33	7.73	25.47	0.47	0.02	0.07
2012	0.00	0.00	0.00	0.00	0.00	0.00	469.96	22.81	72.08	1.29	0.06	0.20
2013	0.00	0.00	0.00	0.00	0.00	0.00	778.93	37.26	113.80	2.13	0.10	0.31
2014	0.00	0.00	0.00	0.00	0.00	0.00	1045.82	50.83	152.58	2.87	0.14	0.42
2015	0.00	0.00	0.00	0.00	0.00	0.00	1268.58	60.89	181.90	3.48	0.17	0.50
2016	0.00	0.00	0.00	0.00	0.00	0.00	1536.31	72.62	212.55	4.21	0.20	0.58
2017	0.00	0.00	0.00	0.00	0.00	0.00	1885.13	88.77	246.43	5.16	0.24	0.68
2018	32.50	1.99	3.07	0.09	0.01	0.01	2375.32	119.00	293.54	6.51	0.33	0.80
2019	701.19	45.39	69.62	1.92	0.12	0.19	3108.75	166.86	367.12	8.52	0.46	1.01
2020	809.08	52.61	80.82	2.22	0.14	0.22	3212.73	174.01	378.09	8.80	0.48	1.04
2021	809.08	52.61	80.82	2.22	0.14	0.22	3042.40	166.27	352.63	8.34	0.46	0.97
2022	809.08	52.61	80.82	2.22	0.14	0.22	2738.88	151.10	305.91	7.50	0.41	0.84
2023	809.08	52.61	80.82	2.22	0.14	0.22	2429.05	136.63	264.22	6.65	0.37	0.72
2024	809.08	52.61	80.82	2.22	0.14	0.22	2160.96	122.99	225.38	5.92	0.34	0.62
2025	809.08	52.61	80.82	2.22	0.14	0.22	1942.10	112.99	196.28	5.32	0.31	0.54
2026	809.08	52.61	80.82	2.22	0.14	0.22	1677.47	101.33	165.68	4.60	0.28	0.45
2027	809.08	52.61	80.82	2.22	0.14	0.22	1329.57	85.24	131.92	3.64	0.23	0.36
2028	776.59	50.62	77.75	2.13	0.14	0.21	843.27	55.09	84.91	2.31	0.15	0.23

Table 18: SIP-Creditable Incentive-Based Emission Reductions for Off-Road Compression-Ignition Equipment Repower and Retrofit Claimed Pursuant to Section 3.1

Year	Current Reporting Period						Cumulative Reporting Period					
	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)			Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG
2009	0.00	0.00	0.00	0.00	0.00	0.00	57.54	1.57	6.30	0.16	0.00	0.02
2010	0.00	0.00	0.00	0.00	0.00	0.00	108.86	4.12	12.41	0.30	0.01	0.03
2011	0.00	0.00	0.00	0.00	0.00	0.00	158.88	6.38	19.36	0.44	0.02	0.05
2012	0.00	0.00	0.00	0.00	0.00	0.00	209.04	8.05	25.51	0.57	0.02	0.07
2013	0.00	0.00	0.00	0.00	0.00	0.00	227.46	8.77	27.87	0.62	0.02	0.08
2014	0.00	0.00	0.00	0.00	0.00	0.00	252.91	9.69	31.24	0.69	0.03	0.09
2015	0.00	0.00	0.00	0.00	0.00	0.00	265.86	10.10	32.82	0.73	0.03	0.09
2016	0.00	0.00	0.00	0.00	0.00	0.00	223.23	9.13	28.24	0.61	0.03	0.08
2017	0.00	0.00	0.00	0.00	0.00	0.00	177.10	6.82	22.69	0.49	0.02	0.06
2018	0.00	0.00	0.00	0.00	0.00	0.00	130.15	4.62	16.07	0.36	0.01	0.04
2019	55.25	2.58	5.21	0.15	0.01	0.01	137.02	5.56	15.20	0.38	0.02	0.04
2020	55.25	2.58	5.21	0.15	0.01	0.01	120.49	4.88	13.16	0.33	0.01	0.04
2021	52.31	2.50	5.06	0.14	0.01	0.01	117.56	4.80	13.02	0.32	0.01	0.04
2022	5.53	0.18	0.37	0.02	0.00	0.00	69.02	2.44	8.23	0.19	0.01	0.02
2023	5.53	0.18	0.37	0.02	0.00	0.00	64.88	2.30	7.76	0.18	0.01	0.02
2024	5.53	0.18	0.37	0.02	0.00	0.00	31.97	1.08	3.56	0.09	0.00	0.01
2025	5.53	0.18	0.37	0.02	0.00	0.00	16.12	0.50	1.59	0.04	0.00	0.00
2026	0.63	0.01	0.03	0.00	0.00	0.00	3.81	0.04	0.37	0.01	0.00	0.00
2027	0.63	0.01	0.03	0.00	0.00	0.00	2.36	0.02	0.27	0.01	0.00	0.00
2028	0.63	0.01	0.03	0.00	0.00	0.00	0.63	0.01	0.03	0.00	0.00	0.00

Table 19: SIP-Creditable Incentive-Based Emission Reductions for Repower of Agricultural Pumps Engines Claimed Pursuant to Section 3.1

Year	Current Reporting Period						Cumulative Reporting Period					
	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)			Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG
2009	0.00	0.00	0.00	0.00	0.00	0.00	790.60	20.38	88.49	2.17	0.06	0.24
2010	0.00	0.00	0.00	0.00	0.00	0.00	1036.20	25.64	109.36	2.84	0.07	0.30
2011	0.00	0.00	0.00	0.00	0.00	0.00	1190.57	30.22	122.05	3.26	0.08	0.33
2012	0.00	0.00	0.00	0.00	0.00	0.00	1307.24	33.46	128.73	3.58	0.09	0.35
2013	0.00	0.00	0.00	0.00	0.00	0.00	1489.44	39.63	142.78	4.08	0.11	0.39
2014	0.00	0.00	0.00	0.00	0.00	0.00	530.19	15.52	63.33	1.45	0.04	0.17
2015	0.00	0.00	0.00	0.00	0.00	0.00	413.29	13.41	53.43	1.13	0.04	0.15
2016	0.00	0.00	0.00	0.00	0.00	0.00	397.03	12.95	52.88	1.09	0.04	0.14
2017	0.00	0.00	0.00	0.00	0.00	0.00	369.62	12.15	52.10	1.01	0.03	0.14
2018	0.00	0.00	0.00	0.00	0.00	0.00	383.01	13.20	54.15	1.05	0.04	0.15
2019	9.98	0.78	1.30	0.03	0.00	0.00	195.80	7.68	13.96	0.54	0.02	0.04
2020	9.98	0.78	1.30	0.03	0.00	0.00	171.46	6.56	12.35	0.47	0.02	0.03
2021	9.98	0.78	1.30	0.03	0.00	0.00	155.19	5.89	11.51	0.43	0.02	0.03
2022	9.98	0.78	1.30	0.03	0.00	0.00	149.80	5.66	11.17	0.41	0.02	0.03
2023	9.98	0.78	1.30	0.03	0.00	0.00	125.89	5.12	9.66	0.34	0.01	0.03
2024	9.98	0.78	1.30	0.03	0.00	0.00	70.95	3.57	6.27	0.19	0.01	0.02
2025	9.98	0.78	1.30	0.03	0.00	0.00	43.13	2.61	4.30	0.12	0.01	0.01
2026	1.11	0.06	0.15	0.00	0.00	0.00	26.07	1.61	2.63	0.07	0.00	0.01
2027	1.11	0.06	0.15	0.00	0.00	0.00	15.98	1.08	2.06	0.04	0.00	0.01

Table 20: SIP-Creditable Incentive-Based Emission Reductions for Purchase of New Electric Agricultural Pump Motors Claimed Pursuant to Section 3.1

Year	Current Reporting Period						Cumulative Reporting Period					
	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)			Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG
2009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	0.00	0.00	0.00	0.00	0.00	0.00	17.57	0.85	0.91	0.05	0.00	0.00
2011	0.00	0.00	0.00	0.00	0.00	0.00	25.54	0.99	1.37	0.07	0.00	0.00
2012	0.00	0.00	0.00	0.00	0.00	0.00	35.86	1.04	1.88	0.10	0.00	0.01
2013	0.00	0.00	0.00	0.00	0.00	0.00	42.45	1.08	2.21	0.12	0.00	0.01
2014	0.00	0.00	0.00	0.00	0.00	0.00	53.78	1.30	3.06	0.15	0.00	0.01
2015	0.00	0.00	0.00	0.00	0.00	0.00	69.80	1.47	4.05	0.19	0.00	0.01
2016	0.00	0.00	0.00	0.00	0.00	0.00	75.65	1.57	4.77	0.21	0.00	0.01
2017	0.00	0.00	0.00	0.00	0.00	0.00	78.61	1.72	5.49	0.22	0.00	0.02
2018	0.00	0.00	0.00	0.00	0.00	0.00	83.86	1.76	5.67	0.23	0.00	0.02
2019	0.00	0.00	0.00	0.00	0.00	0.00	83.86	1.76	5.67	0.23	0.00	0.02
2020	0.00	0.00	0.00	0.00	0.00	0.00	66.29	0.91	4.76	0.18	0.00	0.01
2021	0.00	0.00	0.00	0.00	0.00	0.00	58.32	0.77	4.30	0.16	0.00	0.01
2022	0.00	0.00	0.00	0.00	0.00	0.00	48.00	0.72	3.79	0.13	0.00	0.01
2023	0.00	0.00	0.00	0.00	0.00	0.00	41.41	0.68	3.46	0.11	0.00	0.01
2024	0.00	0.00	0.00	0.00	0.00	0.00	30.08	0.46	2.61	0.08	0.00	0.01
2025	0.00	0.00	0.00	0.00	0.00	0.00	14.06	0.29	1.62	0.04	0.00	0.00
2026	0.00	0.00	0.00	0.00	0.00	0.00	8.21	0.18	0.90	0.02	0.00	0.00
2027	0.00	0.00	0.00	0.00	0.00	0.00	5.25	0.04	0.19	0.01	0.00	0.00

Table 21: SIP-Creditable Incentive-Based Emission Reductions for Locomotives and New Electric Forklift Purchase Claimed Pursuant to Section 3.2

Year	Current Reporting Period						Cumulative Reporting Period					
	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)			Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG
2009	0.00	0.00	0.00	0.00	0.00	0.00	16.71	0.56	1.60	0.05	0.00	0.00
2010	0.00	0.00	0.00	0.00	0.00	0.00	16.71	0.56	1.60	0.05	0.00	0.00
2011	0.00	0.00	0.00	0.00	0.00	0.00	22.36	0.90	1.95	0.06	0.00	0.01
2012	0.00	0.00	0.00	0.00	0.00	0.00	82.80	3.91	8.28	0.23	0.01	0.02
2013	0.00	0.00	0.00	0.00	0.00	0.00	87.93	4.04	8.47	0.24	0.01	0.02
2014	0.00	0.00	0.00	0.00	0.00	0.00	87.98	4.05	8.47	0.24	0.01	0.02
2015	0.00	0.00	0.00	0.00	0.00	0.00	102.09	4.38	9.32	0.28	0.01	0.03
2016	0.00	0.00	0.00	0.00	0.00	0.00	102.14	5.18	9.32	0.28	0.01	0.03
2017	0.00	0.00	0.00	0.00	0.00	0.00	102.18	5.98	9.33	0.28	0.02	0.03
2018	0.00	0.00	0.00	0.00	0.00	0.00	102.18	5.98	9.33	0.28	0.02	0.03
2019	24.35	0.82	2.52	0.07	0.00	0.01	126.53	6.80	11.85	0.35	0.02	0.03
2020	32.32	1.03	3.04	0.09	0.00	0.01	134.50	7.01	12.37	0.37	0.02	0.03
2021	32.32	1.03	3.04	0.09	0.00	0.01	134.50	7.01	12.37	0.37	0.02	0.03
2022	32.32	1.03	3.04	0.09	0.00	0.01	134.50	7.01	12.37	0.37	0.02	0.03
2023	32.32	1.03	3.04	0.09	0.00	0.01	134.45	7.00	12.36	0.37	0.02	0.03
2024	32.32	1.03	3.04	0.09	0.00	0.01	117.69	6.44	10.76	0.32	0.02	0.03
2025	32.32	1.03	3.04	0.09	0.00	0.01	46.49	2.96	3.89	0.13	0.01	0.01
2026	32.32	1.03	3.04	0.09	0.00	0.01	32.37	1.83	3.04	0.09	0.01	0.01
2027	32.32	1.03	3.04	0.09	0.00	0.01	32.32	1.03	3.04	0.09	0.00	0.01

1. Locomotive projects are contracted with a 20 year project life and Forklifts are contracted with a 10 year project life

Proposition 1B Incentive Program Guidelines

The following table is a summary of incentive-based emission reductions claimed in the SIP from incentive programs administered by the District using the Proposition 1B incentive program guidelines, as identified in Section 3.1 and 3.2 of Rule 9610.

Table 22: SIP-Creditable Incentive-Based Emission Reductions for On-Road Trucks

Year	Current Reporting Period						Cumulative Reporting Period					
	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)			Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG
2009	0.00	0.00	0.00	0.00	0.00	0.00	91.80	8.35	0.00	0.25	0.02	0.00
2010	0.00	0.00	0.00	0.00	0.00	0.00	668.19	20.76	0.00	1.83	0.06	0.00
2011	0.00	0.00	0.00	0.00	0.00	0.00	1170.35	41.17	0.00	3.21	0.11	0.00
2012	0.00	0.00	0.00	0.00	0.00	0.00	1986.48	72.93	0.00	5.44	0.20	0.00
2013	0.00	0.00	0.00	0.00	0.00	0.00	2095.95	77.49	0.00	5.74	0.21	0.00
2014	0.00	0.00	0.00	0.00	0.00	0.00	2351.60	72.73	0.00	6.44	0.20	0.00
2015	0.00	0.00	0.00	0.00	0.00	0.00	1968.05	61.07	0.00	5.39	0.17	0.00
2016	0.00	0.00	0.00	0.00	0.00	0.00	1508.28	39.50	0.00	4.13	0.11	0.00
2017	0.00	0.00	0.00	0.00	0.00	0.00	694.20	8.83	0.00	1.90	0.02	0.00
2018	0.93	0.00	0.00	0.00	0.00	0.00	600.74	4.31	0.00	1.65	0.01	0.00
2019	2.78	0.00	0.00	0.01	0.00	0.00	269.85	0.55	0.00	0.74	0.00	0.00
2020	2.78	0.00	0.00	0.01	0.00	0.00	69.82	0.00	0.00	0.19	0.00	0.00
2021	2.78	0.00	0.00	0.01	0.00	0.00	23.31	0.00	0.00	0.06	0.00	0.00
2022	2.78	0.00	0.00	0.01	0.00	0.00	21.26	0.00	0.00	0.06	0.00	0.00
2023	1.84	0.00	0.00	0.01	0.00	0.00	3.65	0.00	0.00	0.01	0.00	0.00
2024	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 23: SIP-Creditable Incentive-Based Emission Reductions for Locomotive Replacement

Year	Current Reporting Period						Cumulative Reporting Period					
	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)			Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG
2009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	0.00	0.00	0.00	0.00	0.00	0.00	41.49	2.05	0.00	0.11	0.01	0.00
2018	0.00	0.00	0.00	0.00	0.00	0.00	41.49	2.05	0.00	0.11	0.01	0.00
2019	10.28	0.38	0.00	0.03	0.00	0.00	51.77	2.44	0.00	0.14	0.01	0.00
2020	10.28	0.38	0.00	0.03	0.00	0.00	51.77	2.44	0.00	0.14	0.01	0.00
2021	10.28	0.38	0.00	0.03	0.00	0.00	51.77	2.44	0.00	0.14	0.01	0.00
2022	10.28	0.38	0.00	0.03	0.00	0.00	51.77	2.44	0.00	0.14	0.01	0.00
2023	10.28	0.38	0.00	0.03	0.00	0.00	51.77	2.44	0.00	0.14	0.01	0.00
2024	10.28	0.38	0.00	0.03	0.00	0.00	51.77	2.44	0.00	0.14	0.01	0.00
2025	10.28	0.38	0.00	0.03	0.00	0.00	51.77	2.44	0.00	0.14	0.01	0.00
2026	10.28	0.38	0.00	0.03	0.00	0.00	51.77	2.44	0.00	0.14	0.01	0.00
2027	10.28	0.38	0.00	0.03	0.00	0.00	51.77	2.44	0.00	0.14	0.01	0.00
2028	10.28	0.38	0.00	0.03	0.00	0.00	51.77	2.44	0.00	0.14	0.01	0.00
2029	10.28	0.38	0.00	0.03	0.00	0.00	51.77	2.44	0.00	0.14	0.01	0.00
2030	10.28	0.38	0.00	0.03	0.00	0.00	51.77	2.44	0.00	0.14	0.01	0.00
2031	10.28	0.38	0.00	0.03	0.00	0.00	51.77	2.44	0.00	0.14	0.01	0.00

Funding Agricultural Replacement Measures for Emission Reductions (FARMER) Program Guidelines The following table is a summary of incentive-based emission reductions claimed in the SIP from incentive programs administered by the District using the FARMER program guidelines, as identified in 3.2 of Rule 9610.

Table 24: SIP-Creditable Incentive-Based Emission Reductions for Agricultural UTV and On-Road Truck Replacement Claimed Pursuant to Section 3.2

Year	Current Reporting Period						Cumulative Reporting Period					
	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)			Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG
2009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2018	1.19	0.00	0.08	0.00	0.00	0.00	2.54	0.02	0.64	0.01	0.00	0.00
2019	29.69	0.81	20.04	0.08	0.00	0.05	41.05	1.19	27.97	0.11	0.00	0.08
2020	34.58	0.88	21.68	0.09	0.00	0.06	45.94	1.26	29.60	0.13	0.00	0.08
2021	33.39	0.88	21.59	0.09	0.00	0.06	44.18	1.26	29.48	0.12	0.00	0.08
2022	21.48	0.22	19.74	0.06	0.00	0.05	28.05	0.32	26.95	0.08	0.00	0.07
2023	17.50	0.16	19.29	0.05	0.00	0.05	23.29	0.24	25.98	0.06	0.00	0.07
2024	0.91	0.01	1.18	0.00	0.00	0.00	0.91	0.01	1.18	0.00	0.00	0.00
2025	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2026	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2027	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Year	Current Reporting Period						Cumulative Reporting Period					
	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)			Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG
2028	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

NRCS Combustion Systems Improvement of Mobile Equipment Incentive Program Guidelines

The following table provides a summary of the SIP-creditable incentive-based emission reductions claimed in the SIP for incentive projects administered by the NRCS, as identified in Section 3.1 of Rule 9610.

Table 25: SIP-Creditable Incentive-Based Emission Reductions for Agricultural Equipment

Year	Current Reporting Period						Cumulative Reporting Period					
	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)			Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG
2009	0.00	0.00	0.00	0.00	0.00	0.00	141.98	4.91	19.76	0.39	0.01	0.05
2010	0.00	0.00	0.00	0.00	0.00	0.00	807.82	30.07	113.00	2.21	0.08	0.31
2011	0.00	0.00	0.00	0.00	0.00	0.00	1373.86	53.70	194.75	3.76	0.15	0.53
2012	0.64	0.03	0.07	0.00	0.00	0.00	1712.94	68.17	241.01	4.69	0.19	0.66
2013	0.64	0.03	0.07	0.00	0.00	0.00	1977.35	80.08	277.11	5.42	0.22	0.76
2014	0.64	0.03	0.07	0.00	0.00	0.00	2183.73	89.71	305.42	5.98	0.25	0.84
2015	0.64	0.03	0.07	0.00	0.00	0.00	2440.13	101.50	339.29	6.69	0.28	0.93
2016	0.64	0.03	0.07	0.00	0.00	0.00	2648.23	115.91	365.67	7.26	0.32	1.00
2017	0.64	0.03	0.07	0.00	0.00	0.00	2792.87	126.10	383.02	7.65	0.35	1.05
2018	3.37	0.28	0.44	0.01	0.00	0.00	2967.81	138.69	404.28	8.13	0.38	1.11
2019	106.96	7.90	13.62	0.29	0.02	0.04	2942.01	142.37	399.46	8.06	0.39	1.09
2020	106.96	7.90	13.62	0.29	0.02	0.04	2276.17	117.22	306.21	6.24	0.32	0.84
2021	106.96	7.90	13.62	0.29	0.02	0.04	1710.13	93.59	224.46	4.69	0.26	0.61
2022	106.32	7.87	13.55	0.29	0.02	0.04	1368.87	79.04	178.20	3.75	0.22	0.49

Year	Current Reporting Period						Cumulative Reporting Period					
	Emissions Reduced (tons per year)			Emissions Reduced (tons per day)			Emissions Reduced (tons per year)			Emissions Reduced (tons per day)		
	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG	NOx	PM	ROG
2023	106.32	7.87	13.55	0.29	0.02	0.04	1105.34	67.14	142.11	3.03	0.18	0.39
2024	106.32	7.87	13.55	0.29	0.02	0.04	900.27	57.57	113.79	2.47	0.16	0.31
2025	106.32	7.87	13.55	0.29	0.02	0.04	643.87	45.78	79.92	1.76	0.13	0.22
2026	106.32	7.87	13.55	0.29	0.02	0.04	435.76	31.37	53.54	1.19	0.09	0.15
2027	106.32	7.87	13.55	0.29	0.02	0.04	291.12	21.18	36.19	0.80	0.06	0.10
2028	103.59	7.62	13.18	0.28	0.02	0.04	116.18	8.59	14.93	0.32	0.02	0.04

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Appendix A
District Incentive Program Project Information

Project Type Off-Road

Description Vehicle Replacement

SJVAPCD Project Data 2020

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-21213-1-A1	Agricultural Tractor	Diesel	1991	54	Tier 0	2019	66	Tier 4 Final	250			10	Fresno
C-21593-1-A1	Agricultural Tractor	Diesel	1973	76	Tier 0	2019	114	Tier 4 Final	150			10	Fresno
C-24968-1-A1	Agricultural Tractor	Diesel	1988	102	Tier 0	2018	115	Tier 4 Final	600			10	Merced
C-25720-1A	Agricultural Tractor	Diesel	2005	67	Tier 2	2019	73	Tier 4 Final	800			10	Madera
C-26007-1A	Combine	Diesel	1997	240	Tier 1	2019	333	Tier 4 Final	500			10	Fresno
C-28195-2-A1	Agricultural Tractor	Diesel	1990	81	Tier 0	2018	114	Tier 4 Final	500			10	Fresno
C-30330-1-A1	Wheel Loader	Diesel	2000	151	Tier 1	2018	140	Tier 4 Final	3285			10	Merced
C-30419-1-A1	Wheel Loader	Diesel	1999	170	Tier 1	2018	186	Tier 4 Final	1200			10	Merced
C-30646-2B	Agricultural Tractor	Diesel	1991	97	Tier 0	2018	114	Tier 4 Final	250			10	Kings
C-31146-1-A1	Agricultural Tractor	Diesel	1990	95	Tier 0	2018	89	Tier 4 Final	150			10	Fresno
C-32387-1A	Almond Harvester	Diesel	1982	104	Tier 0	2018	174	Tier 4 Final	600			10	Merced
C-32388-1A	Almond Harvester	Diesel	1980	104	Tier 0	2018	174	Tier 4 Final	600			10	Merced
C-37898-1-A1	Agricultural Tractor	Diesel	1998	88	Tier 1	2018	115	Tier 4 Final	500			10	Tulare
C-39041-1A	Agricultural Tractor	Diesel	1998	90	Tier 1	2017	106	Tier 4 Phase In/Alt NOx	250			10	Tulare
C-39399-1A	Agricultural Tractor	Diesel	1983	90	Tier 0	2017	106	Tier 4 Final	205			10	Tulare
C-39486-1A	Agricultural Tractor	Diesel	1978	80	Tier 0	2018	73	Tier 4 Final	150			10	Fresno
C-40134-1-A1	Agricultural Tractor	Diesel	1995	216	Tier 0	2018	115	Tier 4 Final	525			10	Tulare
C-40135-1-A1	Agricultural Tractor	Diesel	1991	109	Tier 0	2019	115	Tier 4 Final	525			10	Tulare
C-41695-1-A1	Bale Wagon	Diesel	1985	170	Tier 0	2017	190	Tier 4 Final	700			10	Fresno
C-42413-1A	Wheel Loader	Diesel	2004	160	Tier 2	2019	192	Tier 4 Final	2000			10	Tulare
C-42668-1A	Agricultural Tractor	Diesel	1973	76	Tier 0	2019	108	Tier 4 Final	200			10	Fresno
C-43261-1A	Agricultural Tractor	Diesel	1995	114	Tier 0	2018	123	Tier 4 Final	1200			10	Fresno
C-43545-1-A1	Agricultural Tractor	Diesel	1975	76	Tier 0	2017	114	Tier 4 Final	400			10	Stanislaus
C-44306-1-A1	Wheel Loader	Diesel	1989	130	Tier 0	2019	166	Tier 4 Final	350			10	Tulare
C-45208-1-A1	Agricultural Tractor	Diesel	1974	151	Tier 0	2018	106	Tier 4 Phase In/Alt NOx	800			10	Tulare
C-45211-1-A1	Agricultural Tractor	Diesel	1983	168	Tier 0	2018	115	Tier 4 Final	800			10	Tulare
C-45219-1-A1	Agricultural Tractor	Diesel	2003	199	Tier 2	2019	114	Tier 4 Final	500			10	Fresno
C-45427-1-A1	Chopper	Diesel	2004	525	Tier 2	2018	764	Tier 4 Final	850			10	Tulare
C-46002-1-A1	Agricultural Tractor	Diesel	2004	300	Tier 2	2019	123	Tier 4 Final	350			10	Fresno
C-46305-1A	Agricultural Tractor	Diesel	2000	89	Tier 1	2018	73	Tier 4 Final	1200			10	Fresno
C-46337-1A	Agricultural Tractor	Diesel	1983	108	Tier 0	2018	114	Tier 4 Final	300			10	Fresno
C-46400-1A	Wheel Loader	Diesel	1999	142	Tier 1	2018	166	Tier 4 Final	1825			10	Madera

Project Type Off-Road

SJVAPCD Project Data 2020

Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-46878-1-A1	Crop Chopper	Diesel	2007	757	Tier 2	2018	818	Tier 4 Final	800			10	Fresno
C-47000-1A	Agricultural Tractor	Diesel	1976	75	Tier 0	2018	74	Tier 4 Final	400			10	Fresno
C-47417-1-A1	Wheel Loader	Diesel	1977	290	Tier 0	2018	163	Tier 4 Final	1050			10	Fresno
C-48140-1A	Agricultural Tractor	Diesel	1969	66	Tier 0	2019	99	Tier 4 Final	250			10	Fresno
C-48141-1A	Agricultural Tractor	Diesel	1981	84	Tier 0	2018	99	Tier 4 Final	250			10	Fresno
C-48151-1A	Agricultural Tractor	Diesel	1979	108	Tier 0	2019	120	Tier 4 Final	250			10	Fresno
C-48451-1A	Agricultural Tractor	Diesel	1974	57	Tier 0	2018	73	Tier 4 Final	800			10	Fresno
C-48479-1A	Agricultural Tractor	Diesel	1998	89	Tier 1	2018	73	Tier 4 Final	1000			10	Fresno
C-48844-1-A1	Cotton Picker	Diesel	2000	325	Tier 1	2019	560	Tier 4 Final	700			10	Kings
C-48844-1-A1	Cotton Picker	Diesel	2004	325	Tier 1								Kings
C-49374-1A	Agricultural Tractor	Diesel	2006	99	Tier 2	2018	114	Tier 4 Final	296			10	Fresno
C-49579-1-A1	Agricultural Tractor	Diesel	2004	135	Tier 2	2019	145	Tier 4 Final	500			10	Fresno
C-49580-1-A1	Agricultural Tractor	Diesel	2006	54	Tier 2	2018	59	Tier 4 Final	500			10	Fresno
C-50792-1A	Chopper	Diesel	2004	601	Tier 2	2019	759	Tier 4 Final	750			10	Kern
C-50883-1-A1	Wheel Loader	Diesel	1999	160	Tier 1	2019	192	Tier 4 Final	1000			10	San Joaquin
C-51063-1A	Wheel Loader	Diesel	1992	100	Tier 0	2019	166	Tier 4 Final	1200			10	Stanislaus
C-51070-1-A1	Agricultural Tractor	Diesel	1979	60	Tier 0	2019	114	Tier 4 Final	300			10	Merced
C-51072-1-A1	Agricultural Tractor	Diesel	1975	66	Tier 0	2019	106	Tier 4 Final	300			10	Merced
C-51258-1A	Agricultural Tractor	Diesel	2003	117	Tier 2	2018	130	Tier 4 Final	900			10	Stanislaus
C-51260-1A	Agricultural Tractor	Diesel	2005	139	Tier 2	2018	155	Tier 4 Final	1100			10	Stanislaus
C-51264-1A	Agricultural Tractor	Diesel	2003	129	Tier 1	2018	155	Tier 4 Final	600			10	Stanislaus
C-51267-1A	Agricultural Tractor	Diesel	2006	117	Tier 2	2018	145	Tier 4 Final	1000			10	Stanislaus
C-51269-1A	Agricultural Tractor	Diesel	2006	117	Tier 2	2018	145	Tier 4 Final	850			10	Stanislaus
C-51271-1-A1	Agricultural Tractor	Diesel	2005	225	Tier 2	2019	370	Tier 4 Final	800			10	Merced
C-51272-1-A1	Agricultural Tractor	Diesel	2004	225	Tier 2	2019	370	Tier 4 Final	800			10	Merced
C-51552-1A	Agricultural Tractor	Diesel	1967	76	Tier 0	2018	99	Tier 4 Final	150			10	Fresno
C-51696-1A	Agricultural Tractor	Diesel	2000	89	Tier 1	2018	123	Tier 4 Final	500			10	Fresno
C-51722-1-A1	Wheel Loader	Diesel	1988	138	Tier 0	2019	163	Tier 4 Final	1500			10	Tulare
C-51742-1-A1	Agricultural Tractor	Diesel	1991	88	Tier 0	2019	114	Tier 4 Final	1500			10	Madera
C-51771-1-A1	Agricultural Tractor	Diesel	2005	113	Tier 2	2016	125	Tier 4 Phase In/Alt NOx	1000			10	Fresno
C-51798-1-A1	Agricultural Tractor	Diesel	1986	114	Tier 0	2018	114	Tier 4 Final	300			10	Stanislaus
C-51815-1-A1	Agricultural Tractor	Diesel	1995	127	Tier 0	2017	125	Tier 4 Final	1000			10	Stanislaus

Project Type Off-Road

Description Vehicle Replacement

SJVAPCD Project Data 2020

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-51818-1-A1	Agricultural Tractor	Diesel	1994	103	Tier 0	2018	114	Tier 4 Final	350			10	Kings
C-51820-1-A1	Wheel Loader	Diesel	1959	170	Tier 0	2018	141	Tier 4 Final	350			10	Kings
C-51823-1-A1	Agricultural Tractor	Diesel	1975	58	Tier 0	2019	58	Tier 4 Final	350			10	Kings
C-51825-1-A1	Agricultural Tractor	Diesel	1986	48	Tier 0	2019	58	Tier 4 Final	350			10	Kings
C-51827-1-A1	Agricultural Tractor	Diesel	1962	49	Tier 0	2018	52	Tier 4 Final	350			10	Kings
C-51912-1A	Agricultural Tractor	Diesel	1980	160	Tier 0	2018	110	Tier 4 Final	2000			10	Kings
C-51934-1-A1	Agricultural Tractor	Diesel	1991	97	Tier 0	2019	119	Tier 4 Final	1000			10	Merced
C-51937-1-A1	Agricultural Tractor	Diesel	1994	258	Tier 0	2018	230	Tier 4 Final	600			10	Fresno
C-51940-1A	Agricultural Tractor	Diesel	1981	186	Tier 0	2017	230	Tier 4 Final	400			10	Fresno
C-51944-1-A1	Wheel Loader	Diesel	2004	65	Tier 2	2019	73	Tier 4 Final	500			10	Kings
C-51945-1-A1	Wheel Loader	Diesel	2004	80	Tier 2	2018	71	Tier 4 Final	500			10	Fresno
C-51946-1-A1	Wheel Loader	Diesel	2004	173	Tier 2	2018	225	Tier 4 Final	1000			10	Fresno
C-51950-1-A1	Wheel Loader	Diesel	1990	168	Tier 0	2018	182	Tier 4 Final	1440			10	Fresno
C-51951-1-A1	Wheel Loader	Diesel	2000	200	Tier 1	2018	182	Tier 4 Final	1500			10	Fresno
C-51966-1-A1	Wheel Loader	Diesel	1980	165	Tier 0	2018	166	Tier 4 Final	1500			10	Tulare
C-51970-1-A1	Wheel Loader	Diesel	1992	138	Tier 0	2019	166	Tier 4 Final	1500			10	Tulare
C-52042-1-A1	Wheel Loader	Diesel	2005	140	Tier 2	2018	165	Tier 4 Final	2000			10	Merced
C-52043-1-A1	Wheel Loader	Diesel	2004	140	Tier 2	2018	165	Tier 4 Final	2000			10	Merced
C-52044-1-A1	Wheel Loader	Diesel	2005	140	Tier 2	2019	161	Tier 4 Final	2200			10	Merced
C-52046-1-A1	Agricultural Tractor	Diesel	2002	181	Tier 1	2019	270	Tier 4 Final	1000			10	Kings
C-52063-1A	Wheel Loader	Diesel	2002	170	Tier 1	2018	186	Tier 4 Final	900			10	Tulare
C-52117-1A	Agricultural Tractor	Diesel	2004	57	Tier 2	2016	70	Tier 4 Final	500			10	Fresno
C-52123-1-A1	Agricultural Tractor	Diesel	1992	81	Tier 0	2018	115	Tier 4 Final	600			10	Tulare
C-52162-1-A1	Agricultural Tractor	Diesel	2001	89	Tier 1	2019	114	Tier 4 Final	300			10	Stanislaus
C-52277-1-A1	Wheel Loader	Diesel	1989	138	Tier 0	2018	166	Tier 4 Final	800			10	Stanislaus
C-52282-1-A1	Agricultural Tractor	Diesel	1975	80	Tier 0	2016	114	Tier 4 Final	175			10	Fresno
C-52291-1-A1	Cotton Picker	Diesel	1996	250	Tier 1	2019	560	Tier 4 Final	**580**			10	Merced
C-52291-1-A1	Cotton Picker	Diesel	1997	250	Tier 1								Merced
C-52293-1-A1	Agricultural Tractor	Diesel	1976	72	Tier 0	2017	106	Tier 4 Phase In/Alt NOx	300			10	Stanislaus
C-52316-1-A1	Agricultural Tractor	Diesel	1998	99	Tier 1	2019	100	Tier 4 Final	450			10	Fresno
C-52319-1-A1	Agricultural Tractor	Diesel	1989	115	Tier 0	2020	100	Tier 4 Final	550			10	Fresno
C-52321-1A	Wheel Loader	Diesel	1999	160	Tier 1	2019	184	Tier 4 Final	1500			10	Tulare

Project Type Off-Road

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Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-52401-1A	Wheel Loader	Diesel	2004	153	Tier 2	2018	163	Tier 4 Final	2000			10	San Joaquin
C-52471-1-A1	Wheel Loader	Diesel	1971	260	Tier 0	2018	331	Tier 4 Final	2000			10	Fresno
C-52472-1-A1	Agricultural Tractor	Diesel	1980	126	Tier 0	2019	175	Tier 4 Final	500			10	Kings
C-52474-1-A1	Wheel Loader	Diesel	1974	130	Tier 0	2019	192	Tier 4 Final	1000			10	Merced
C-52477-1A	Shredder	Diesel	2003	300	Tier 2	2018	440	Tier 4 Final	1125			10	Tulare
C-52482-1-A1	Wheel Loader	Diesel	1971	260	Tier 0	2018	307	Tier 4 Final	2500			10	Fresno
C-52517-1-A1	Wheel Loader	Diesel	1998	116	Tier 1	2019	152	Tier 4 Final	1000			10	San Joaquin
C-52523-1-A1	Agricultural Tractor	Diesel	2007	51	Tier 2	2017	52	Tier 4 Final	2200			10	Kings
C-52571-1A	Agricultural Tractor	Diesel	1995	186	Tier 0	2019	236	Tier 4 Final	1037			10	Tulare
C-52594-1A	Wheel Loader	Diesel	2005	183	Tier 2	2018	230	Tier 4 Final	1500			10	Madera
C-52685-1A	Sprayer	Diesel	1973	46	Tier 0	2018	74	Tier 4 Final	500			10	Merced
C-52691-1-A1	Agricultural Tractor	Diesel	1996	97	Tier 0	2019	114	Tier 4 Final	800			10	Kings
C-52694-1-A1	Wheel Loader	Diesel	2004	52	Tier 2	2018	63	Tier 4 Final	1800			10	Tulare
C-52700-1-A1	Wheel Loader	Diesel	1999	145	Tier 1	2018	188	Tier 4 Final	1250			10	Madera
C-52746-1-A1	Other Agricultural	Diesel	1997	85	Tier 0	2019	93	Tier 4 Final	1150			10	Fresno
C-52784-1A	Wheel Loader	Diesel	1996	140	Tier 0	2019	192	Tier 4 Final	1200			10	Fresno
C-52806-1-A1	Agricultural Tractor	Diesel	1993	99	Tier 0	2019	120	Tier 4 Final	500			10	Kings
C-52807-1A	Agricultural Tractor	Diesel	2003	153	Tier 2	2019	123	Tier 4 Final	500			10	Kings
C-52822-1-A1	Wheel Loader	Diesel	2004	160	Tier 2	2018	182	Tier 4 Final	2000			10	Madera
C-52861-1-A1	Agricultural Tractor	Diesel	1980	97	Tier 0	2018	120	Tier 4 Final	1500			10	Fresno
C-52879-1-A1	Agricultural Tractor	Diesel	1978	216	Tier 0	2019	175	Tier 4 Final	1000			10	Fresno
C-52895-1A	Agricultural Tractor	Diesel	2004	258	Tier 2	2019	281	Tier 4 Final	3000			10	Tulare
C-52920-1A	Wheel Loader	Diesel	1993	120	Tier 0	2018	163	Tier 4 Final	1500			10	Kings
C-52921-1-A1	Wheel Loader	Diesel	1988	120	Tier 0	2018	166	Tier 4 Final	1200			10	Kings
C-52942-1-A1	Agricultural Tractor	Diesel	1999	110	Tier 1	2018	135	Tier 4 Final	1200			10	Tulare
C-52979-1-A1	Wheel Loader	Diesel	2004	140	Tier 2	2019	170	Tier 4 Final	1000			10	Merced
C-53020-1-A1	Agricultural Tractor	Diesel	1999	110	Tier 1	2019	100	Tier 4 Final	1200			10	Kings
C-53023-1-A1	Agricultural Tractor	Diesel	1995	84	Tier 0	2019	100	Tier 4 Final	1200			10	Kings
C-53025-1-A1	Agricultural Tractor	Diesel	2002	115	Tier 1	2018	123	Tier 4 Final	2000			10	Fresno
C-53027-1-A1	Agricultural Tractor	Diesel	1999	114	Tier 1	2019	123	Tier 4 Final	2000			10	Fresno
C-53028-1-A1	Agricultural Tractor	Diesel	1998	114	Tier 1	2018	123	Tier 4 Final	2000			10	Fresno
C-53031-1-A1	Forklift	Diesel	1985	50	Tier 0	2019	74	Tier 4 Final	350			10	Fresno

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Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-53103-1-A1	Cotton Picker	Diesel	1992	250	Tier 0	2019	560	Tier 4 Final	600			10	Fresno
C-53103-1-A1	Cotton Picker	Diesel	1992	250	Tier 0								Fresno
C-53104-1-A1	Agricultural Tractor	Diesel	1977	76	Tier 0	2016	106	Tier 4 Final	300			10	Fresno
C-53105-1-A1	Agricultural Tractor	Diesel	1988	82	Tier 0	2019	72	Tier 4 Final	300			10	Fresno
C-53189-1-A1	Agricultural Tractor	Diesel	1977	97	Tier 0	2018	106	Tier 4 Phase In/Alt NOx	250			10	Fresno
C-53200-1-A1	Agricultural Tractor	Diesel	2005	129	Tier 2	2015	110	Tier 4 Final	500			10	Fresno
C-53201-1-A1	Agricultural Tractor	Diesel	2005	139	Tier 2	2015	139	Tier 4 Final	500			10	Fresno
C-53208-1-A1	Agricultural Tractor	Diesel	1964	42	Tier 0	2017	60	Tier 4 Final	500			10	Fresno
C-53278-1-A1	Agricultural Tractor	Diesel	2006	155	Tier 2	2019	245	Tier 4 Final	832			10	Merced
C-53299-1-A1	Agricultural Tractor	Diesel	1992	81	Tier 0	2018	114	Tier 4 Final	500			10	Stanislaus
C-53318-1-A1	Agricultural Tractor	Diesel	1997	81	Tier 0	2018	106	Tier 4 Final	300			10	Stanislaus
C-53323-1-A1	Other Agricultural	Diesel	1970	130	Tier 0	2019	124	Tier 4 Final	1000			10	Kings
C-53327-1-A1	Agricultural Tractor	Diesel	1995	72	Tier 0	2019	100	Tier 4 Final	1200			10	Kings
C-53340-1-A1	Sweeper	Diesel	1998	80	Tier 1	2018	74	Tier 4 Final	300			10	San Joaquin
C-53349-1-A1	Wheel Loader	Diesel	1995	125	Tier 0	2018	229	Tier 4 Phase In/Alt NOx	2000			10	Stanislaus
C-53351-1-A1	Wheel Loader	Diesel	1992	120	Tier 0	2018	229	Tier 4 Phase In/Alt NOx	2000			10	San Joaquin
C-53360-1-A1	Shaker	Diesel	1981	106	Tier 0	2019	148	Tier 4 Final	215			10	Merced
C-53379-1-A1	Agricultural Tractor	Diesel	2006	160	Tier 2	2018	188	Tier 4 Final	3000			10	Stanislaus
C-53447-1-A1	Wheel Loader	Diesel	1988	237	Tier 0	2018	303	Tier 4 Final	2000			10	Fresno
C-53476-1-A1	Agricultural Tractor	Diesel	1984	80	Tier 0	2018	101	Tier 4 Final	700			10	Fresno
C-53483-1-A1	Wheel Loader	Diesel	1995	138	Tier 0	2018	182	Tier 4 Final	700			10	Tulare
C-53487-1-A1	Harvester	Diesel	2001	601	Tier 2	2017	677	Tier 4 Final	450			10	Tulare
C-53496-1-A1	Agricultural Tractor	Diesel	1981	76	Tier 0	2017	114	Tier 4 Final	200			10	Stanislaus
C-53515-1-A1	Agricultural Tractor	Diesel	1993	102	Tier 0	2019	120	Tier 4 Final	1000			10	Fresno
C-53516-1-A1	Wheel Loader	Diesel	1975	93	Tier 0	2018	166	Tier 4 Final	800			10	Tulare
C-53524-1-A1	Wheel Loader	Diesel	2005	199	Tier 2	2018	232	Tier 4 Final	1000			10	Tulare
C-53537-1-A1	Skid Loader	Diesel	1998	50	Tier 1	2016	63	Tier 4 Final	200			10	Stanislaus
C-53607-1-A1	Excavator	Diesel	2005	173	Tier 2	2018	188	Tier 4 Final	1000			10	San Joaquin
C-53631-1-A1	Agricultural Tractor	Diesel	2006	109	Tier 2	2018	114	Tier 4 Final	1200			10	Stanislaus
C-53632-1-A1	Agricultural Tractor	Diesel	1988	79	Tier 0	2017	49	Tier 4 Final	1000			10	Tulare
C-53633-1-A1	Agricultural Tractor	Diesel	1999	39	Tier 1	2019	37	Tier 4 Final	1100			10	Tulare
C-53661-1-A1	Wheel Loader	Diesel	2007	160	Tier 2	2018	173	Tier 4 Final	2500			10	Stanislaus

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Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-53663-1-A1	Agricultural Tractor	Diesel	1966	110	Tier 0	2018	123	Tier 4 Final	600			10	Fresno
C-53672-1-A1	Agricultural Tractor	Diesel	2004	375	Tier 2	2019	370	Tier 4 Final	1000			10	Fresno
C-53696-1-A1	Agricultural Tractor	Diesel	1982	186	Tier 0	2018	155	Tier 4 Final	1200			10	Merced
C-53871-1-A1	Wheel Loader	Diesel	1981	158	Tier 0	2019	192	Tier 4 Final	500			10	Fresno
C-53943-1-A1	Wheel Loader	Diesel	1982	123	Tier 0	2017	162	Tier 4 Final	1000			10	San Joaquin
C-53944-1-A1	Wheel Loader	Diesel	2005	204	Tier 2	2017	250	Tier 4 Final	2500			10	Fresno
C-53991-1-A1	Wheel Loader	Diesel	1998	173	Tier 1	2019	184	Tier 4 Final	2000			10	Kings
C-53992-1-A1	Wheel Loader	Diesel	1993	170	Tier 0	2018	161	Tier 4 Final	3500			10	Kings
C-53995-1-A1	Wheel Loader	Diesel	1987	80	Tier 0	2018	118	Tier 4 Final	2000			10	Kings
C-53996-1A	Agricultural Tractor	Diesel	2006	99	Tier 2	2018	115	Tier 4 Final	800			10	Fresno
C-54001-1-A1	Wheel Loader	Diesel	1997	138	Tier 1	2018	166	Tier 4 Final	2190			10	Fresno
C-54003-1-A1	Windrower	Diesel	2002	182	Tier 1	2017	235	Tier 4 Final	400			10	Merced
C-54004-1-A1	Other Agricultural	Diesel	2002	115	Tier 1	2018	260	Tier 4 Final	600			10	Merced
C-54005-1-A1	Agricultural Tractor	Diesel	2006	109	Tier 2	2016	108	Tier 4 Final	300			10	Fresno
C-54007-1A	Wheel Loader	Diesel	1960	130	Tier 0	2019	165	Tier 4 Final	1200			10	Kings
C-54074-1-A1	Agricultural Tractor	Diesel	1985	90	Tier 0	2017	114	Tier 4 Final	200			10	Kings
C-54104-1-A1	Wheel Loader	Diesel	1997	140	Tier 1	2017	157	Tier 4 Final	2000			10	Kings
C-54106-1-A1	Agricultural Tractor	Diesel	1999	217	Tier 1	2019	370	Tier 4 Final	600			10	Merced
C-54107-1-A1	Agricultural Tractor	Diesel	1999	92	Tier 1	2017	114	Tier 4 Final	600			10	Kings
C-54111-1-A1	Wheel Loader	Diesel	1991	110	Tier 0	2019	157	Tier 4 Final	1825			10	Kern
C-54112-1-A1	Wheel Loader	Diesel	1991	110	Tier 0	2019	157	Tier 4 Final	2500			10	Kern
C-54113-1-A1	Agricultural Tractor	Diesel	1999	45	Tier 1	2018	57	Tier 4 Final	1500			10	Kern
C-54115-1-A1	Agricultural Tractor	Diesel	2003	263	Tier 2	2018	295	Tier 4 Final	1200			10	Kings
C-54121-1-A1	Wheel Loader	Diesel	1959	105	Tier 0	2018	140	Tier 4 Final	350			10	Fresno
C-54123-1-A1	Agricultural Tractor	Diesel	1965	77	Tier 0	2018	114	Tier 4 Final	350			10	Fresno
C-54124-1-A1	Agricultural Tractor	Diesel	1976	103	Tier 0	2019	114	Tier 4 Final	250			10	Fresno
C-54125-1-A1	Agricultural Tractor	Diesel	1977	98	Tier 0	2018	114	Tier 4 Final	350			10	Fresno
C-54141-1-A1	Agricultural Tractor	Diesel	1997	74	Tier 0	2018	90	Tier 4 Final	500			10	Fresno
C-54143-1-A1	Agricultural Tractor	Diesel	1990	108	Tier 0	2018	114	Tier 4 Final	500			10	Fresno
C-54148-1-A1	Agricultural Tractor	Diesel	1997	85	Tier 0	2018	90	Tier 4 Final	500			10	Fresno
C-54150-1-A1	Agricultural Tractor	Diesel	2001	115	Tier 1	2018	114	Tier 4 Final	500			10	Fresno
C-54156-1-A1	Wheel Loader	Diesel	1994	125	Tier 0	2019	232	Tier 4 Final	1000			10	San Joaquin

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Description Vehicle Replacement

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-54330-1-A1	Agricultural Tractor	Diesel	2001	85	Tier 1	2018	114	Tier 4 Final	500			10	Fresno
C-54332-1-A1	Agricultural Tractor	Diesel	1984	81	Tier 0	2019	73	Tier 4 Final	200			10	Stanislaus
C-54334-1-A1	Wheel Loader	Diesel	2004	121	Tier 2	2019	139	Tier 4 Final	750			10	Merced
C-54382-1-A1	Agricultural Tractor	Diesel	1989	33	Tier 0	2018	74	Tier 4 Final	400			10	Fresno
C-54384-1-A1	Agricultural Tractor	Diesel	1999	88	Tier 1	2017	118	Tier 4 Final	500			10	Fresno
C-54391-1-A1	Agricultural Tractor	Diesel	1981	109	Tier 0	2019	114	Tier 4 Final	350			10	Fresno
C-54409-1-A1	Agricultural Tractor	Diesel	1991	109	Tier 0	2019	125	Tier 4 Final	700			10	Fresno
C-54413-1-A1	Agricultural Tractor	Diesel	1991	234	Tier 0	2019	123	Tier 4 Final	700			10	Fresno
C-54470-1-A1	Wheel Loader	Diesel	2005	119	Tier 2	2019	162	Tier 4 Final	1400			10	Merced
C-54471-1-A1	Back Hoe	Diesel	1989	69	Tier 0	2019	90	Tier 4 Final	1400			10	Merced
C-54493-1-A1	Agricultural Tractor	Diesel	2006	99	Tier 2	2019	106	Tier 4 Final	800			10	Merced
C-54496-1-A1	Agricultural Tractor	Diesel	2007	98	Tier 2	2019	106	Tier 4 Final	800			10	Merced
C-54518-1-A1	Agricultural Tractor	Diesel	1977	126	Tier 0	2018	123	Tier 4 Final	180			10	Kings
C-54519-1-A1	Wheel Loader	Diesel	2006	129	Tier 2	2018	182	Tier 4 Final	1500			10	Stanislaus
C-54541-1-A1	Wheel Loader	Diesel	1999	142	Tier 1	2017	173	Tier 4 Final	2100			10	Merced
C-54544-1-A1	Back Hoe	Diesel	1979	62	Tier 0	2019	96	Tier 4 Final	300			10	Merced
C-54546-1-A1	Agricultural Tractor	Diesel	1981	98	Tier 0	2019	106	Tier 4 Final	300			10	Merced
C-54547-1-A1	Agricultural Tractor	Diesel	1990	81	Tier 0	2018	99	Tier 4 Final	500			10	Stanislaus
C-54549-1-A1	Agricultural Tractor	Diesel	1977	180	Tier 0	2019	230	Tier 4 Final	250			10	Fresno
C-54555-1-A1	Agricultural Tractor	Diesel	1989	72	Tier 0	2018	101	Tier 4 Final	400			10	Fresno
C-54566-1-A1	Wheel Loader	Diesel	1998	170	Tier 1	2018	170	Tier 4 Final	1300			10	Kings
C-54567-1-A1	Agricultural Tractor	Diesel	1971	65	Tier 0	2018	73	Tier 4 Final	250			10	Stanislaus
C-54582-1-A1	Agricultural Tractor	Diesel	2002	115	Tier 1	2019	123	Tier 4 Final	500			10	Stanislaus
C-54584-1-A1	Agricultural Tractor	Diesel	1997	81	Tier 0	2017	125	Tier 4 Final	500			10	Stanislaus
C-54588-1-A1	Wheel Loader	Diesel	1998	125	Tier 1	2018	157	Tier 4 Final	2600			10	Fresno
C-54589-1-A1	Agricultural Tractor	Diesel	1982	186	Tier 0	2019	123	Tier 4 Final	1825			10	Fresno
C-54598-1-A1	Wheel Loader	Diesel	2004	134	Tier 2	2019	90	Tier 4 Final	250			10	Fresno
C-54615-1-A1	Skid Loader	Diesel	1998	46	Tier 0	2018	63	Tier 4 Final	700			10	Merced
C-54616-1-A1	Wheel Loader	Diesel	1981	115	Tier 0	2018	139	Tier 4 Final	1500			10	Merced
C-54629-1-A1	Wheel Loader	Diesel	1986	105	Tier 0	2018	166	Tier 4 Final	2700			10	Fresno
C-54640-1-A1	Agricultural Tractor	Diesel	1992	88	Tier 0	2018	123	Tier 4 Final	300			10	San Joaquin
C-54641-1-A1	Agricultural Tractor	Diesel	1967	41	Tier 0	2019	123	Tier 4 Final	300			10	San Joaquin

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Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-54653-1-A1	Wheel Loader	Diesel	1984	155	Tier 0	2019	232	Tier 4 Final	300			10	San Joaquin
C-54663-1-A1	Wheel Loader	Diesel	1986	123	Tier 0	2018	141	Tier 4 Final	300			10	Stanislaus
C-54722-1-A1	Wheel Loader	Diesel	1976	260	Tier 0	2019	307	Tier 4 Final	2000			10	Tulare
C-54724-1-A1	Wheel Loader	Diesel	1974	260	Tier 0	2018	307	Tier 4 Final	2000			10	Tulare
C-54747-1-A1	Wheel Loader	Diesel	2005	199	Tier 2	2019	226	Tier 4 Final	575			10	Stanislaus
C-54801-1-A1	Other Agricultural	Diesel	1993	125	Tier 0	2018	166	Tier 4 Final	1000			10	Kings
C-54826-1-A1	Agricultural Tractor	Diesel	1967	58	Tier 0	2016	98	Tier 4 Phase In/Alt NOx	275			10	Fresno
C-54892-1-A1	Wheel Loader	Diesel	1995	90	Tier 0	2018	125	Tier 4 Final	700			10	Merced
C-54896-1-A1	Wheel Loader	Diesel	1995	138	Tier 0	2019	184	Tier 4 Final	1400			10	Merced
C-54898-1-A1	Wheel Loader	Diesel	1997	160	Tier 1	2017	255	Tier 4 Final	2000			10	Fresno
C-54907-1-A1	Wheel Loader	Diesel	1999	125	Tier 1	2018	165	Tier 4 Final	1900			10	Kings
C-54913-1-A1	Wheel Loader	Diesel	1978	60	Tier 0	2018	63	Tier 4 Final	1400			10	Merced
C-54914-1-A1	Wheel Loader	Diesel	1984	100	Tier 0	2019	184	Tier 4 Final	1400			10	Merced
C-54933-1-A1	Agricultural Tractor	Diesel	2003	89	Tier 1	2017	90	Tier 4 Final	3850			10	Kern
C-54934-1-A1	Agricultural Tractor	Diesel	2006	91	Tier 2	2018	90	Tier 4 Final	887			10	Kern
C-54936-1-A1	Agricultural Tractor	Diesel	2006	91	Tier 2	2018	90	Tier 4 Final	1089			10	Kern
C-54941-1-A1	Agricultural Tractor	Diesel	2003	89	Tier 1	2017	90	Tier 4 Final	905			10	Kern
C-54970-1-A1	Agricultural Tractor	Diesel	1997	114	Tier 1	2018	123	Tier 4 Final	900			10	Madera
C-54971-1-A1	Agricultural Tractor	Diesel	1995	114	Tier 0	2018	123	Tier 4 Final	900			10	Madera
C-54973-1-A1	Agricultural Tractor	Diesel	1995	114	Tier 0	2018	123	Tier 4 Final	800			10	Madera
C-54974-1-A1	Agricultural Tractor	Diesel	1994	114	Tier 0	2018	123	Tier 4 Final	800			10	Madera
C-54978-1-A1	Agricultural Tractor	Diesel	2002	93	Tier 1	2018	114	Tier 4 Final	500			10	Tulare
C-54979-1-A1	Agricultural Tractor	Diesel	2000	100	Tier 1	2018	114	Tier 4 Final	1000			10	Tulare
C-55022-1-A1	Agricultural Tractor	Diesel	2000	105	Tier 1	2018	123	Tier 4 Final	1200			10	Madera
C-55024-1-A1	Agricultural Tractor	Diesel	1993	103	Tier 0	2018	123	Tier 4 Final	800			10	Madera
C-55025-1-A1	Agricultural Tractor	Diesel	1993	103	Tier 0	2018	123	Tier 4 Final	800			10	Madera
C-55026-1-A1	Agricultural Tractor	Diesel	1999	99	Tier 1	2018	123	Tier 4 Final	1000			10	Madera
C-55033-1-A1	Agricultural Tractor	Diesel	2000	105	Tier 1	2019	123	Tier 4 Final	900			10	Madera
C-55035-1-A1	Agricultural Tractor	Diesel	1964	385	Tier 0	2018	420	Tier 4 Final	1100			10	Madera
C-55051-1-A1	Agricultural Tractor	Diesel	2004	99	Tier 2	2017	115	Tier 4 Final	1000			10	Madera
C-55058-1A	Wheel Loader	Diesel	1987	120	Tier 0	2018	112	Tier 4 Final	3500			10	Kern
C-55059-1-A1	Agricultural Tractor	Diesel	1973	151	Tier 0	2020	195	Tier 4 Final	500			10	Tulare

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Description Vehicle Replacement

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-55061-1-A1	Agricultural Tractor	Diesel	1996	120	Tier 0	2018	145	Tier 4 Final	500			10	Merced
C-55063-1-A1	Agricultural Tractor	Diesel	2001	129	Tier 1	2018	155	Tier 4 Final	500			10	Merced
C-55083-1-A1	Wheel Loader	Diesel	1973	104	Tier 0	2018	103	Tier 4 Final	800			10	Tulare
C-55169-1-A1	Wheel Loader	Diesel	1964	150	Tier 0	2018	166	Tier 4 Final	800			10	Tulare
C-55170-1-A1	Agricultural Tractor	Diesel	1993	84	Tier 0	2018	106	Tier 4 Phase In/Alt NOx	1000			10	Fresno
C-55175-1-A1	Windrower	Diesel	2002	115	Tier 1	2016	235	Tier 4 Final	500			10	Merced
C-55222-1-A1	Agricultural Tractor	Diesel	1968	58	Tier 0	2019	73	Tier 4 Final	300			10	Stanislaus
C-55223-1-A1	Agricultural Tractor	Diesel	1994	108	Tier 0	2018	106	Tier 4 Final	500			10	Merced
C-55230-1-A1	Wheel Loader	Diesel	1979	170	Tier 0	2019	173	Tier 4 Final	500			10	Stanislaus
C-55233-1-A1	Agricultural Tractor	Diesel	2006	109	Tier 2	2019	114	Tier 4 Final	750			10	Stanislaus
C-55235-1-A1	Agricultural Tractor	Diesel	1983	88	Tier 0	2017	114	Tier 4 Final	750			10	Stanislaus
C-55236-1-A1	Agricultural Tractor	Diesel	2006	109	Tier 2	2018	114	Tier 4 Final	750			10	Stanislaus
C-55237-1-A1	Agricultural Tractor	Diesel	2006	109	Tier 2	2019	114	Tier 4 Final	750			10	Stanislaus
C-55260-1-A1	Agricultural Tractor	Diesel	1972	56	Tier 0	2018	90	Tier 4 Final	500			10	San Joaquin
C-55271-1-A1	Agricultural Tractor	Diesel	1988	63	Tier 0	2017	114	Tier 4 Final	500			10	Stanislaus
C-55276-1-A1	Loader	Diesel	1998	125	Tier 1	2018	166	Tier 4 Final	1000			10	Merced
C-55369-1-A1	Agricultural Tractor	Diesel	1973	120	Tier 0	2018	155	Tier 4 Final	600			10	Merced
C-55371-1-A1	Agricultural Tractor	Diesel	2005	210	Tier 2	2019	236	Tier 4 Final	800			10	Merced
C-55373-1-A1	Agricultural Tractor	Diesel	1982	108	Tier 0	2018	123	Tier 4 Final	325			10	Fresno
C-55378-1-A1	Agricultural Tractor	Diesel	1997	81	Tier 0	2017	115	Tier 4 Final	100			10	Madera
C-55388-1-A1	Agricultural Tractor	Diesel	1992	168	Tier 0	2017	210	Tier 4 Final	500			10	Merced
C-55546-1-A1	Shaker	Diesel	2006	130	Tier 2	2019	148	Tier 4 Final	450			10	Fresno
C-55556-1-A1	Other Agricultural	Diesel	1971	160	Tier 0	2018	185	Tier 4 Final	750			10	Merced
C-55558-1-A1	Skid Loader	Diesel	1994	58	Tier 0	2018	74	Tier 4 Final	300			10	Kings
C-55564-1-A1	Agricultural Tractor	Diesel	1996	120	Tier 0	2019	172	Tier 4 Final	1278			10	Madera
C-55566-1-A1	Agricultural Tractor	Diesel	1995	156	Tier 0	2019	256	Tier 4 Final	730			10	Madera
C-55567-1-A1	Forklift	Diesel	2001	80	Tier 1	2018	74	Tier 4 Final	300			10	Fresno
C-55596-1-A1	Agricultural Tractor	Diesel	2006	41	Tier 2	2017	53	Tier 4 Final	200			10	Fresno
C-55597-1-A1	Wheel Loader	Diesel	1975	93	Tier 0	2018	74	Tier 4 Final	250			10	Madera
C-55598-1-A1	Agricultural Tractor	Diesel	2004	134	Tier 2	2016	155	Tier 4 Final	500			10	Kings
C-55860-1-A1	Agricultural Tractor	Diesel	1979	157	Tier 0	2018	123	Tier 4 Final	500			10	Madera
C-55862-1-A1	Agricultural Tractor	Diesel	1990	81	Tier 0	2019	99	Tier 4 Final	200			10	Fresno

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-55863-1-A1	Agricultural Tractor	Diesel	1965	76	Tier 0	2019	99	Tier 4 Final	200			10	Fresno
C-55887-1-A1	Swathers	Diesel	2001	110	Tier 1	2018	235	Tier 4 Final	1000			10	Tulare
C-55945-1-A1	Back Hoe	Diesel	1998	78	Tier 1	2019	93	Tier 4 Final	750			10	Stanislaus
C-55949-1-A1	Agricultural Tractor	Diesel	1994	91	Tier 0	2017	114	Tier 4 Final	1000			10	Madera
C-55952-1-A1	Agricultural Tractor	Diesel	2005	86	Tier 2	2018	106	Tier 4 Phase In/Alt NOx	400			10	San Joaquin
C-55960-1-A1	Agricultural Tractor	Diesel	1999	72	Tier 1	2018	115	Tier 4 Final	800			10	Stanislaus
C-55970-1-A1	Agricultural Tractor	Diesel	1998	98	Tier 1	2018	106	Tier 4 Final	500			10	Tulare
C-55983-1-A1	Agricultural Tractor	Diesel	1993	120	Tier 0	2017	106	Tier 4 Final	600			10	Kern
C-56119-1-A1	Agricultural Tractor	Diesel	2002	462	Tier 2	2019	489	Tier 4 Final	750			10	Kern
C-56163-1A	Agricultural Tractor	Diesel	2004	207	Tier 2	2015	230	Tier 4 Final	750			10	Kings
C-56167-1-A1	Agricultural Tractor	Diesel	1983	97	Tier 0	2019	123	Tier 4 Final	350			10	Fresno
C-56205-1-A1	Agricultural Tractor	Diesel	1971	65	Tier 0	2019	99	Tier 4 Final	425			10	Stanislaus
C-56207-1-A1	Agricultural Tractor	Diesel	1987	88	Tier 0	2019	114	Tier 4 Final	425			10	Stanislaus
C-56226-1-A1	Agricultural Tractor	Diesel	1989	156	Tier 0	2020	175	Tier 4 Final	1500			10	Stanislaus
C-56228-1-A1	Agricultural Tractor	Diesel	1990	88	Tier 0	2018	123	Tier 4 Final	1500			10	Stanislaus
C-56229-1-A1	Agricultural Tractor	Diesel	1974	90	Tier 0	2018	123	Tier 4 Final	1500			10	Stanislaus
C-56230-1-A1	Agricultural Tractor	Diesel	1990	55	Tier 0	2019	123	Tier 4 Final	1500			10	Stanislaus
C-56233-1-A1	Agricultural Tractor	Diesel	2005	92	Tier 2	2018	123	Tier 4 Final	1500			10	Stanislaus
C-56285-1-A1	Agricultural Tractor	Diesel	2005	92	Tier 2	2018	123	Tier 4 Final	1500			10	Stanislaus
C-56295-1-A1	Agricultural Tractor	Diesel	1997	135	Tier 1	2019	175	Tier 4 Final	2000			10	Tulare
C-56301-1-A1	Forklift	Diesel	1982	63	Tier 0	2019	74	Tier 4 Final	500			10	Kings
C-56302-1-A1	Agricultural Tractor	Diesel	1999	91	Tier 1	2019	101	Tier 4 Final	500			10	Stanislaus
C-56303-1-A1	Agricultural Tractor	Diesel	1999	360	Tier 1	2019	420	Tier 4 Final	800			10	Fresno
C-56304-1-A1	Agricultural Tractor	Diesel	1978	127	Tier 0	2019	155	Tier 4 Final	1000			10	Fresno
C-56306-1A	Agricultural Tractor	Diesel	1981	135	Tier 0	2017	114	Tier 4 Final	250			10	Kern
C-56307-1-A1	Agricultural Tractor	Diesel	2007	95	Tier 2	2017	114	Tier 4 Final	600			10	Stanislaus
C-56308-1-A1	Agricultural Tractor	Diesel	2000	98	Tier 1	2017	114	Tier 4 Final	600			10	Stanislaus
C-56314-1-A1	Agricultural Tractor	Diesel	1986	162	Tier 0	2019	221	Tier 4 Final	1825			10	Madera
C-56315-1-A1	Agricultural Tractor	Diesel	1969	76	Tier 0	2017	115	Tier 4 Final	520			10	Fresno
C-56316-1A	Agricultural Tractor	Diesel	1992	28	Tier 0	2016	45	Tier 4 Final	500			10	Kern
C-56318-1-A1	Agricultural Tractor	Diesel	1983	90	Tier 0	2016	106	Tier 4 Final	200			10	Fresno
C-56477-1A	Agricultural Tractor	Diesel	1998	269	Tier 1	2018	320	Tier 4 Final	750			10	Kern

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-56481-1-A1	Wheel Loader	Diesel	1998	125	Tier 1	2019	152	Tier 4 Final	1200			10	Tulare
C-56493-1-A1	Agricultural Tractor	Diesel	2007	89	Tier 2	2017	125	Tier 4 Final	1000			10	Stanislaus
C-56495-1-A1	Agricultural Tractor	Diesel	1993	234	Tier 0	2018	281	Tier 4 Final	600			10	Stanislaus
C-56496-1-A1	Skid Loader	Diesel	2003	81	Tier 1	2018	70	Tier 4 Final	350			10	San Joaquin
C-56497-1-A1	Agricultural Tractor	Diesel	1995	93	Tier 0	2019	123	Tier 4 Final	350			10	San Joaquin
C-56632-1-A1	Agricultural Tractor	Diesel	1979	81	Tier 0	2019	123	Tier 4 Final	500			10	Merced
C-56637-1-A1	Agricultural Tractor	Diesel	2001	89	Tier 1	2018	123	Tier 4 Final	750			10	Merced
C-56834-1-A1	Agricultural Tractor	Diesel	1998	89	Tier 1	2018	106	Tier 4 Final	500			10	San Joaquin
C-56838-1-A1	Agricultural Tractor	Diesel	1985	73	Tier 0	2018	106	Tier 4 Final	500			10	San Joaquin
C-56841-1A	Wheel Loader	Diesel	2000	125	Tier 1	2019	192	Tier 4 Final	2900			10	Kern
C-56920-1-A1	Agricultural Tractor	Diesel	1976	84	Tier 0	2019	105	Tier 4 Final	200			10	Fresno
C-56922-1-A1	Agricultural Tractor	Diesel	1981	76	Tier 0	2016	106	Tier 4 Final	400			10	Fresno
C-56926-1-A1	Agricultural Tractor	Diesel	1993	204	Tier 0	2019	281	Tier 4 Final	600			10	Merced
C-56928-1-A1	Agricultural Tractor	Diesel	1998	135	Tier 1	2019	172	Tier 4 Final	600			10	Merced
C-56959-1-A1	Chopper	Diesel	2008	757	Tier 2	2018	818	Tier 4 Final	900			10	Tulare
C-56963-1-A1	Agricultural Tractor	Diesel	2001	375	Tier 1	2019	515	Tier 4 Final	500			10	Merced
C-57013-1-A1	Almond Sweeper	Diesel	2003	80	Tier 1	2018	142	Tier 4 Final	300			10	Madera
C-57020-1-A1	Agricultural Tractor	Diesel	1996	99	Tier 0	2019	123	Tier 4 Final	1000			10	Madera
C-57021-1-A1	Agricultural Tractor	Diesel	1996	99	Tier 0	2018	123	Tier 4 Final	1000			10	Madera
C-57024-1-A1	Agricultural Tractor	Diesel	1993	104	Tier 0	2019	106	Tier 4 Phase In/Alt NOx	275			10	Fresno
C-57037-1-A1	Wheel Loader	Diesel	1995	118	Tier 0	2019	166	Tier 4 Final	1800			10	Kings
C-57038-1-A1	Wheel Loader	Diesel	2002	157	Tier 1	2019	192	Tier 4 Final	3000			10	Kings
C-57063-1-A1	Agricultural Tractor	Diesel	1981	80	Tier 0	2019	114	Tier 4 Final	250			10	Fresno
C-57067-1-A1	Back Hoe	Diesel	1997	78	Tier 0	2018	74	Tier 4 Final	312			10	Fresno
C-57069-1-A1	Agricultural Tractor	Diesel	1998	360	Tier 1	2019	420	Tier 4 Final	800			10	Fresno
C-57100-1-A1	Agricultural Tractor	Diesel	1968	115	Tier 0	2018	114	Tier 4 Final	400			10	Merced
C-57114-1-A1	Bale Wagon	Diesel	1983	143	Tier 0	2017	190	Tier 4 Final	600			10	San Joaquin
C-57135-1-A1	Agricultural Tractor	Diesel	1985	102	Tier 0	2019	120	Tier 4 Final	500			10	Madera
C-57174-1A	Agricultural Tractor	Diesel	2002	89	Tier 1	2017	90	Tier 4 Final	277			10	Kern
C-57184-1-A1	Agricultural Tractor	Diesel	1982	60	Tier 0	2017	114	Tier 4 Final	1000			10	Madera
C-57221-1-A1	Agricultural Tractor	Diesel	2005	105	Tier 2	2019	114	Tier 4 Final	500			10	San Joaquin
C-57451-1-A1	Agricultural Tractor	Diesel	1999	88	Tier 1	2017	106	Tier 4 Phase In/Alt NOx	1000			10	Fresno

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-57452-1-A1	Agricultural Tractor	Diesel	1982	63	Tier 0	2018	106	Tier 4 Phase In/Alt NOx	600			10	Fresno
C-57454-1-A1	Agricultural Tractor	Diesel	1993	210	Tier 0	2019	320	Tier 4 Final	1000			10	Kings
C-57456-1-A1	Agricultural Tractor	Diesel	1974	84	Tier 0	2018	65	Tier 4 Final	250			10	Fresno
C-57477-1-A1	Agricultural Tractor	Diesel	2004	115	Tier 2	2018	123	Tier 4 Final	500			10	Tulare
C-57479-1-A1	Agricultural Tractor	Diesel	2003	450	Tier 2	2019	595	Tier 4 Final	800			10	Merced
C-57482-1-A1	Agricultural Tractor	Diesel	2002	114	Tier 1	2019	123	Tier 4 Final	400			10	Fresno
C-57560-1-A1	Tractor Loader	Diesel	1962	96	Tier 0	2019	120	Tier 4 Final	300			10	Kings
C-57700-1-A1	Agricultural Tractor	Diesel	1985	30	Tier 0	2018	33	Tier 4 Final	200			10	Kings
C-57701-1-A1	Agricultural Tractor	Diesel	1985	30	Tier 0	2018	33	Tier 4 Final	200			10	Kings
C-57714-1-A1	Agricultural Tractor	Diesel	1985	30	Tier 0	2018	33	Tier 4 Final	200			10	Kings
C-57716-1-A1	Agricultural Tractor	Diesel	1985	30	Tier 0	2018	33	Tier 4 Final	200			10	Kings
C-57724-1-A1	Agricultural Tractor	Diesel	2002	98	Tier 1	2018	108	Tier 4 Final	200			10	Kings
C-57727-1-A1	Agricultural Tractor	Diesel	1985	30	Tier 0	2018	33	Tier 4 Final	200			10	Kings
C-57735-1-A1	Agricultural Tractor	Diesel	1985	30	Tier 0	2018	33	Tier 4 Final	200			10	Kings
C-57737-1-A1	Agricultural Tractor	Diesel	1985	30	Tier 0	2018	33	Tier 4 Final	200			10	Kings
C-57738-1-A1	Agricultural Tractor	Diesel	2002	98	Tier 1	2017	106	Tier 4 Phase In/Alt NOx	200			10	Kings
C-57758-1-A1	Agricultural Tractor	Diesel	1980	216	Tier 0	2019	281	Tier 4 Final	1900			10	Merced
C-57795-1-A1	Agricultural Tractor	Diesel	1992	204	Tier 0	2019	135	Tier 4 Final	500			10	Fresno
C-57803-1-A1	Agricultural Tractor	Diesel	1998	106	Tier 1	2019	105	Tier 4 Final	700			10	Tulare
C-57804-1-A1	Agricultural Tractor	Diesel	1988	186	Tier 0	2019	245	Tier 4 Final	700			10	Tulare
C-57805-1-A1	Agricultural Tractor	Diesel	1988	186	Tier 0	2019	245	Tier 4 Final	700			10	Tulare
C-57806-1-A1	Agricultural Tractor	Diesel	1983	228	Tier 0	2019	270	Tier 4 Final	700			10	Tulare
C-57808-1-A1	Agricultural Tractor	Diesel	1995	270	Tier 0	2019	320	Tier 4 Final	700			10	Tulare
C-57809-1-A1	Skid Loader	Diesel	2003	84	Tier 1	2019	70	Tier 4 Final	1800			10	Merced
C-57815-1-A1	Agricultural Tractor	Diesel	2000	95	Tier 1	2018	108	Tier 4 Final	800			10	Fresno
C-57827-1-A1	Agricultural Tractor	Diesel	1998	91	Tier 1	2018	106	Tier 4 Final	1500			10	Kings
C-57833-1-A1	Agricultural Tractor	Diesel	1989	156	Tier 0	2019	195	Tier 4 Final	400			10	Kings
C-57850-1-A1	Agricultural Tractor	Diesel	1993	151	Tier 0	2019	195	Tier 4 Final	600			10	Tulare
C-57853-1-A1	Agricultural Tractor	Diesel	1995	174	Tier 0	2019	215	Tier 4 Final	600			10	Tulare
C-57866-1-A1	Agricultural Tractor	Diesel	2002	108	Tier 1	2019	130	Tier 4 Final	1200			10	Tulare
C-57868-1-A1	Agricultural Tractor	Diesel	1993	234	Tier 0	2019	236	Tier 4 Final	700			10	Tulare
C-57869-1-A1	Agricultural Tractor	Diesel	2002	278	Tier 1	2019	311	Tier 4 Final	800			10	Tulare

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-57982-1-A1	Agricultural Tractor	Diesel	1980	98	Tier 0	2018	106	Tier 4 Phase In/Alt NOx	250			10	Fresno
C-57983-1A	Agricultural Tractor	Diesel	1995	66	Tier 0	2018	73	Tier 4 Final	1000			10	Kern
C-57985-1A	Agricultural Tractor	Diesel	1997	102	Tier 1	2019	100	Tier 4 Final	800			10	Kern
C-57986-1A	Agricultural Tractor	Diesel	1996	80	Tier 0	2018	73	Tier 4 Final	1000			10	Kern
C-58186-1-A1	Agricultural Tractor	Diesel	2001	102	Tier 1	2017	115	Tier 4 Final	200			10	Kern
C-58188-1-A1	Agricultural Tractor	Diesel	1997	46	Tier 1	2018	115	Tier 4 Final	200			10	Kern
C-58189-1-A1	Agricultural Tractor	Diesel	1997	46	Tier 0	2018	115	Tier 4 Final	200			10	Kern
C-58218-1-A1	Agricultural Tractor	Diesel	2006	86	Tier 2	2016	125	Tier 4 Final	400			10	Merced
C-58221-1-A1	Agricultural Tractor	Diesel	1971	76	Tier 0	2018	73	Tier 4 Final	150			10	Stanislaus
C-58223-1-A1	Agricultural Tractor	Diesel	2004	92	Tier 2	2018	106	Tier 4 Final	350			10	Stanislaus
C-58225-1-A1	Agricultural Tractor	Diesel	1987	72	Tier 0	2019	114	Tier 4 Final	350			10	Fresno
C-58227-1-A1	Agricultural Tractor	Diesel	1964	76	Tier 0	2018	123	Tier 4 Final	1000			10	Tulare
C-58228-1-A1	Cotton Picker	Diesel	1992	160	Tier 0	2019	560	Tier 4 Final	760			10	Merced
C-58228-1-A1	Cotton Picker	Diesel	2004	325	Tier 1								Merced
C-58243-1-A1	Agricultural Tractor	Diesel	2003	120	Tier 2	2018	119	Tier 4 Final	750			10	Fresno
C-58244-1-A1	Agricultural Tractor	Diesel	1991	80	Tier 0	2019	119	Tier 4 Final	750			10	Fresno
C-58247-1-A1	Wheel Loader	Diesel	1998	76	Tier 1	2019	90	Tier 4 Final	1200			10	Madera
C-58250-1-A1	Back Hoe	Diesel	2005	99	Tier 2	2019	90	Tier 4 Final	1200			10	Madera
C-58260-1-A1	Agricultural Tractor	Diesel	1979	38	Tier 0	2019	43	Tier 4 Final	1000			10	Tulare
C-58262-1-A1	Agricultural Tractor	Diesel	1983	38	Tier 0	2019	43	Tier 4 Final	1000			10	Tulare
C-58264-1-A1	Wheel Loader	Diesel	1989	74	Tier 0	2017	68	Tier 4 Final	1000			10	Tulare
C-58269-1-A1	Agricultural Tractor	Diesel	1991	81	Tier 0	2017	114	Tier 4 Final	500			10	Tulare
C-58277-1-A1	Agricultural Tractor	Diesel	1972	151	Tier 0	2019	114	Tier 4 Final	400			10	Kings
C-58279-1-A1	Agricultural Tractor	Diesel	1980	97	Tier 0	2017	70	Tier 4 Final	1100			10	Tulare
C-58281-1-A1	Agricultural Tractor	Diesel	1990	99	Tier 0	2019	130	Tier 4 Final	750			10	Fresno
C-58282-1-A1	Agricultural Tractor	Diesel	2005	99	Tier 2	2019	130	Tier 4 Final	500			10	Fresno
C-58283-1-A1	Agricultural Tractor	Diesel	2000	52	Tier 1	2019	67	Tier 4 Final	500			10	Fresno
C-58287-1-A1	Agricultural Tractor	Diesel	1990	57	Tier 0	2019	67	Tier 4 Final	750			10	Fresno
C-58289-1-A1	Agricultural Tractor	Diesel	1990	57	Tier 0	2018	67	Tier 4 Final	750			10	Fresno
C-58291-1-A1	Agricultural Tractor	Diesel	1990	81	Tier 0	2019	90	Tier 4 Final	500			10	Fresno
C-58292-1-A1	Agricultural Tractor	Diesel	2005	99	Tier 2	2019	130	Tier 4 Final	500			10	Fresno
C-58294-1-A1	Agricultural Tractor	Diesel	1994	46	Tier 0	2018	67	Tier 4 Final	750			10	Fresno

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-58301-1-A1	Agricultural Tractor	Diesel	2004	50	Tier 2	2018	45	Tier 4 Final	1800			10	Kern
C-58303-1-A1	Agricultural Tractor	Diesel	1984	69	Tier 0	2018	70	Tier 4 Final	250			10	Stanislaus
C-58331-1-A1	Agricultural Tractor	Diesel	1997	240	Tier 1	2017	281	Tier 4 Final	3000			10	Tulare
C-58337-1-A1	Agricultural Tractor	Diesel	1998	95	Tier 1	2018	106	Tier 4 Phase In/Alt NOx	250			10	Fresno
C-58342-1-A1	Agricultural Tractor	Diesel	1998	95	Tier 1	2017	106	Tier 4 Phase In/Alt NOx	250			10	Fresno
C-58432-1-A1	Agricultural Tractor	Diesel	1984	97	Tier 0	2019	114	Tier 4 Final	200			10	Stanislaus
C-58490-1-A1	Agricultural Tractor	Diesel	1974	96	Tier 0	2019	115	Tier 4 Final	500			10	Merced
C-58516-1-A1	Agricultural Tractor	Diesel	2003	89	Tier 1	2019	100	Tier 4 Final	225			10	Fresno
C-58526-1-A1	Sweeper	Diesel	2004	39	Tier 2	2018	74	Tier 4 Final	492			10	Fresno
C-58528-1-A1	Sweeper	Diesel	2004	39	Tier 2	2018	74	Tier 4 Final	492			10	Fresno
C-58533-1-A1	Agricultural Tractor	Diesel	2001	89	Tier 1	2017	114	Tier 4 Final	500			10	Tulare
C-58534-1-A1	Agricultural Tractor	Diesel	2005	450	Tier 2	2019	626	Tier 4 Final	650			10	Merced
C-58535-1-A1	Agricultural Tractor	Diesel	2004	500	Tier 2	2018	666	Tier 4 Final	650			10	Merced
C-58536-1-A1	Agricultural Tractor	Diesel	1987	50	Tier 0	2018	50	Tier 4 Final	1460			10	Merced
C-58537-1-A1	Agricultural Tractor	Diesel	1998	84	Tier 1	2017	90	Tier 4 Final	1460			10	Merced
C-58538-1-A1	Agricultural Tractor	Diesel	1997	84	Tier 0	2017	90	Tier 4 Final	1460			10	Merced
C-58539-1-A1	Agricultural Tractor	Diesel	1992	81	Tier 0	2017	90	Tier 4 Final	1460			10	Merced
C-58541-1-A1	Wheel Loader	Diesel	1999	160	Tier 1	2018	182	Tier 4 Final	1350			10	Merced
C-58579-1-A1	Agricultural Tractor	Diesel	1997	81	Tier 0	2017	90	Tier 4 Final	1460			10	Merced
C-58623-1-A1	Agricultural Tractor	Diesel	1983	290	Tier 0	2018	370	Tier 4 Final	500			10	Merced
C-58630-1-A1	Agricultural Tractor	Diesel	1998	108	Tier 1	2018	98	Tier 4 Final	200			10	Merced
C-58632-1-A1	Agricultural Tractor	Diesel	1989	156	Tier 0	2019	130	Tier 4 Final	1500			10	Tulare
C-58651-1-A1	Agricultural Tractor	Diesel	1999	138	Tier 1	2019	130	Tier 4 Final	450			10	Merced
C-58654-1-A1	Agricultural Tractor	Diesel	1997	120	Tier 1	2017	162	Tier 4 Final	850			10	Stanislaus
C-58657-1-A1	Agricultural Tractor	Diesel	2003	325	Tier 2	2019	370	Tier 4 Final	800			10	Fresno
C-58658-1-A1	Agricultural Tractor	Diesel	1972	151	Tier 0	2019	114	Tier 4 Final	400			10	Kings
C-58686-1-A1	Agricultural Tractor	Diesel	2000	102	Tier 1	2018	115	Tier 4 Final	200			10	Kern
C-58693-1-A1	Tractor	Diesel	1975	151	Tier 0	2018	115	Tier 4 Final	200			10	Kern
C-58829-1-A1	Agricultural Tractor	Diesel	2005	225	Tier 2	2018	256	Tier 4 Final	700			10	Kings
C-58830-1-A1	Sweeper	Diesel	1987	80	Tier 0	2019	74	Tier 4 Final	100			10	Kings
C-58834-1-A1	Shaker	Diesel	2005	170	Tier 2	2019	148	Tier 4 Final	525			10	Stanislaus
C-58891-1-A1	Skid Loader	Diesel	1993	38	Tier 0	2019	63	Tier 4 Final	800			10	Merced

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-58955-1-A1	Agricultural Tractor	Diesel	2002	375	Tier 2	2018	515	Tier 4 Final	700			10	Tulare
C-58994-1-A1	Agricultural Tractor	Diesel	2007	96	Tier 2	2019	106	Tier 4 Phase In/Alt NOx	500			10	Madera
C-58997-1-A1	Agricultural Tractor	Diesel	2007	96	Tier 2	2019	106	Tier 4 Phase In/Alt NOx	500			10	Madera
C-59050-1-A1	Agricultural Tractor	Diesel	1974	96	Tier 0	2018	100	Tier 4 Final	1000			10	San Joaquin
C-59053-1-A1	Agricultural Tractor	Diesel	1975	93	Tier 0	2017	130	Tier 4 Final	300			10	San Joaquin
C-59054-1-A1	Agricultural Tractor	Diesel	1997	108	Tier 1	2019	130	Tier 4 Final	1000			10	San Joaquin
C-59230-1-A1	Agricultural Tractor	Diesel	1984	83	Tier 0	2018	100	Tier 4 Final	1000			10	San Joaquin
C-59231-1-A1	Agricultural Tractor	Diesel	1956	140	Tier 0	2017	175	Tier 4 Final	1000			10	San Joaquin
C-59232-1-A1	Agricultural Tractor	Diesel	1998	261	Tier 1	2018	370	Tier 4 Final	1500			10	San Joaquin
C-59250-1-A1	Agricultural Tractor	Diesel	1984	90	Tier 0	2019	114	Tier 4 Final	1000			10	San Joaquin
C-59252-1-A1	Agricultural Tractor	Diesel	1994	120	Tier 0	2016	155	Tier 4 Final	1000			10	San Joaquin
C-59258-1-A1	Bale Wagon	Diesel	2004	173	Tier 2	2017	190	Tier 4 Final	1100			10	Fresno
C-59259-1-A1	Wheel Loader	Diesel	2004	215	Tier 2	2019	192	Tier 4 Final	800			10	Tulare
C-59267-1-A1	Sweeper	Diesel	1996	80	Tier 0	2012	74	Tier 4 Interim	600			10	San Joaquin
C-59291-1-A1	Agricultural Tractor	Diesel	2005	45	Tier 2	2018	65	Tier 4 Final	500			10	San Joaquin
C-59300-1-A1	Chopper	Diesel	2005	601	Tier 2	2019	617	Tier 4 Final	600			10	Fresno
C-59301-1-A1	Chopper	Diesel	2003	601	Tier 2	2018	617	Tier 4 Final	600			10	Fresno
C-59302-1-A1	Agricultural Tractor	Diesel	1983	82	Tier 0	2017	106	Tier 4 Phase In/Alt NOx	600			10	Tulare
C-59303-1-A1	Agricultural Tractor	Diesel	2005	85	Tier 2	2019	106	Tier 4 Phase In/Alt NOx	675			10	Tulare
C-59308-1-A2	Agricultural Tractor	Diesel	1977	105	Tier 0	2019	123	Tier 4 Final	500			10	San Joaquin
C-59431-1-A1	Agricultural Tractor	Diesel	1987	89	Tier 0	2018	106	Tier 4 Final	700			10	Kern
C-59437-1-A1	Agricultural Tractor	Diesel	2002	104	Tier 1	2018	123	Tier 4 Final	1000			10	Fresno
C-59673-1-A1	Wheel Loader	Diesel	2002	160	Tier 1	2019	184	Tier 4 Final	1500			10	Tulare
C-59687-1-A1	Wheel Loader	Diesel	1995	160	Tier 0	2018	184	Tier 4 Final	1800			10	Tulare
C-59690-1-A1	Agricultural Tractor	Diesel	1999	135	Tier 1	2019	221	Tier 4 Final	915			10	Merced
C-59691-1-A1	Agricultural Tractor	Diesel	2005	258	Tier 2	2019	342	Tier 4 Final	707			10	Merced
C-59692-1-A1	Agricultural Tractor	Diesel	2002	135	Tier 1	2019	188	Tier 4 Final	1237			10	Merced
C-59693-1-A1	Agricultural Tractor	Diesel	1998	135	Tier 1	2019	188	Tier 4 Final	1373			10	Merced
C-59694-1-A1	Loader	Diesel	1987	52	Tier 0	2015	45	Tier 4 Final	750			10	San Joaquin
C-59698-1-A1	Back Hoe	Diesel	1978	62	Tier 0	2019	93	Tier 4 Final	750			10	San Joaquin
C-59700-1-A1	Agricultural Tractor	Diesel	1996	192	Tier 1	2017	215	Tier 4 Final	500			10	Tulare
C-59714-1-A1	Agricultural Tractor	Diesel	1995	350	Tier 0	2019	470	Tier 4 Final	800			10	Merced

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Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-59814-1-A1	Agricultural Tractor	Diesel	2004	500	Tier 2	2019	611	Tier 4 Final	800			10	Merced
C-59820-1-A1	Agricultural Tractor	Diesel	1983	168	Tier 0	2019	175	Tier 4 Final	600			10	Kings
C-59822-1-A1	Agricultural Tractor	Diesel	1997	114	Tier 1	2019	114	Tier 4 Final	300			10	Tulare
C-59832-1-A1	Agricultural Tractor	Diesel	1987	78	Tier 0	2018	99	Tier 4 Final	200			10	Fresno
C-59836-1-A1	Shaker	Diesel	1994	120	Tier 0	2019	174	Tier 4 Final	450			10	Merced
C-59839-1-A1	Agricultural Tractor	Diesel	1990	144	Tier 0	2018	123	Tier 4 Final	1000			10	Kings
C-59840-1-A1	Agricultural Tractor	Diesel	2001	102	Tier 1	2018	123	Tier 4 Final	900			10	Fresno
C-59847-1-A1	Agricultural Tractor	Diesel	2002	200	Tier 1	2017	256	Tier 4 Final	1000			10	Stanislaus
C-59881-1-A1	Almond Sweeper	Diesel	2002	80	Tier 1	2018	74	Tier 4 Final	350			10	Stanislaus
C-59883-1-A1	Agricultural Tractor	Diesel	1999	100	Tier 1	2019	115	Tier 4 Final	300			10	Tulare
C-59892-1-A1	Combine	Diesel	1997	280	Tier 1	2019	563	Tier 4 Final	600			10	Merced
C-59898-1-A1	Agricultural Tractor	Diesel	1989	240	Tier 0	2019	245	Tier 4 Final	700			10	San Joaquin
C-59900-1-A1	Agricultural Tractor	Diesel	1997	221	Tier 1	2014	350	Tier 4 Final	700			10	San Joaquin
C-59911-1-A1	Agricultural Tractor	Diesel	1965	172	Tier 0	2019	123	Tier 4 Final	700			10	San Joaquin
C-59914-1-A1	Back Hoe	Diesel	1979	62	Tier 0	2018	62	Tier 4 Final	300			10	Merced
C-59918-1-A1	Agricultural Tractor	Diesel	1979	45	Tier 0	2019	73	Tier 4 Final	400			10	Merced
C-59986-1-A1	Agricultural Tractor	Diesel	2004	29	Tier 2	2018	36	Tier 4 Final	700			10	San Joaquin
C-60001-1-A1	Agricultural Tractor	Diesel	2004	29	Tier 2	2018	36	Tier 4 Final	700			10	San Joaquin
C-60073-1-A1	Agricultural Tractor	Diesel	2004	105	Tier 2	2019	114	Tier 4 Final	1000			10	Kern
C-60139-1-A1	Forklift	Diesel	1973	50	Tier 0	2018	57	Tier 4 Interim	700			10	Kern
C-60140-1-A1	Forklift	Diesel	1980	50	Tier 0	2019	74	Tier 4 Final	700			10	Kern
C-60269-1-A1	Agricultural Tractor	Diesel	1975	151	Tier 0	2019	158	Tier 4 Final	1000			10	Stanislaus
C-60304-1-A1	Wheel Loader	Diesel	1977	95	Tier 0	2018	173	Tier 4 Final	1000			10	Stanislaus
C-60337-1-A1	Agricultural Tractor	Diesel	1997	330	Tier 1	2018	400	Tier 4 Final	680			10	Kern
C-60342-1-A1	Agricultural Tractor	Diesel	1998	269	Tier 1	2019	464	Tier 4 Final	300			10	Kern
C-60429-1-A1	Agricultural Tractor	Diesel	2005	115	Tier 2	2018	123	Tier 4 Final	1000			10	Fresno
C-60434-1-A1	Agricultural Tractor	Diesel	2003	113	Tier 2	2019	123	Tier 4 Final	1000			10	Fresno
C-60436-1-A1	Agricultural Tractor	Diesel	2005	115	Tier 2	2018	123	Tier 4 Final	1000			10	Fresno
C-60437-1-A1	Agricultural Tractor	Diesel	2005	115	Tier 2	2019	123	Tier 4 Final	1000			10	Fresno
C-60442-1-A1	Agricultural Tractor	Diesel	2005	115	Tier 2	2019	123	Tier 4 Final	1000			10	Fresno
C-60443-1-A1	Agricultural Tractor	Diesel	2004	115	Tier 2	2019	123	Tier 4 Final	1000			10	Fresno
C-60450-1-A1	Agricultural Tractor	Diesel	2005	115	Tier 2	2019	123	Tier 4 Final	1000			10	Fresno

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-60530-1-A1	Agricultural Tractor	Diesel	2004	89	Tier 2	2019	100	Tier 4 Final	875			10	Merced
C-60531-1-A1	Agricultural Tractor	Diesel	1988	97	Tier 0	2019	110	Tier 4 Final	700			10	Merced
C-60532-1-A1	Agricultural Tractor	Diesel	1998	89	Tier 1	2019	100	Tier 4 Final	850			10	Merced
C-60534-1-A1	Agricultural Tractor	Diesel	2002	109	Tier 1	2019	130	Tier 4 Final	750			10	Merced
C-60535-1-A1	Agricultural Tractor	Diesel	2002	109	Tier 1	2019	130	Tier 4 Final	800			10	Merced
C-60536-1-A1	Wheel Loader	Diesel	1985	105	Tier 0	2018	173	Tier 4 Final	600			10	San Joaquin
C-60537-1-A1	Wheel Loader	Diesel	1998	142	Tier 1	2018	173	Tier 4 Final	600			10	San Joaquin
C-60539-1-A1	Agricultural Tractor	Diesel	2005	121	Tier 2	2018	125	Tier 4 Final	800			10	Kings
C-60540-1-A1	Agricultural Tractor	Diesel	2006	121	Tier 2	2017	125	Tier 4 Final	800			10	Kings
C-60541-1-A1	Agricultural Tractor	Diesel	2005	121	Tier 2	2016	125	Tier 4 Final	800			10	Kings
C-60543-1-A1	Wheel Loader	Diesel	1989	120	Tier 0	2018	157	Tier 4 Final	2300			10	Madera
C-60552-1-A1	Agricultural Tractor	Diesel	1982	84	Tier 0	2019	123	Tier 4 Final	260			10	Fresno
C-60564-1-A1	Agricultural Tractor	Diesel	1999	105	Tier 1	2019	99	Tier 4 Final	350			10	Tulare
C-60570-1-A1	Skid Loader	Diesel	1980	57	Tier 0	2018	61	Tier 4 Final	235			10	Fresno
C-60572-1-A1	Agricultural Tractor	Diesel	1994	90	Tier 0	2016	114	Tier 4 Final	100			10	Fresno
C-60574-1-A1	Agricultural Tractor	Diesel	1976	61	Tier 0	2019	73	Tier 4 Final	60			10	Stanislaus
C-60611-1-A1	Wheel Loader	Diesel	1971	141	Tier 0	2019	162	Tier 4 Final	800			10	Tulare
C-60612-1-A1	Agricultural Tractor	Diesel	1980	52	Tier 0	2019	74	Tier 4 Final	700			10	Tulare
C-60629-1-A1	Agricultural Tractor	Diesel	2004	99	Tier 2	2017	114	Tier 4 Final	1200			10	Tulare
C-60640-1A	Agricultural Tractor	Diesel	2006	99	Tier 2	2017	106	Tier 4 Final	1700			10	Kern
C-60659-1A	Agricultural Tractor	Diesel	2006	99	Tier 2	2018	106	Tier 4 Final	1700			10	Kern
C-60702-1A	Agricultural Tractor	Diesel	2007	99	Tier 2	2018	106	Tier 4 Final	1700			10	Kern
C-60734-1-A1	Agricultural Tractor	Diesel	1994	360	Tier 0	2019	515	Tier 4 Final	1001			10	Kings
C-60740-1-A1	Agricultural Tractor	Diesel	1989	63	Tier 0	2018	73	Tier 4 Final	300			10	Fresno
C-60744-1-A1	Agricultural Tractor	Diesel	1981	186	Tier 0	2018	142	Tier 4 Final	90			10	Fresno
C-60747-1-A1	Agricultural Tractor	Diesel	1979	60	Tier 0	2019	123	Tier 4 Final	300			10	Madera
C-60749-1-A1	Agricultural Tractor	Diesel	1989	55	Tier 0	2018	73	Tier 4 Final	300			10	Fresno
C-60750-1-A1	Agricultural Tractor	Diesel	1996	425	Tier 1	2019	570	Tier 4 Final	700			10	Merced
C-60751-1-A1	Agricultural Tractor	Diesel	1974	66	Tier 0	2019	114	Tier 4 Final	350			10	Merced
C-60752-1A	Agricultural Tractor	Diesel	2007	99	Tier 2	2016	106	Tier 4 Final	2000			10	Kern
C-60756-1A	Agricultural Tractor	Diesel	2007	99	Tier 2	2016	106	Tier 4 Final	2000			10	Kern
C-60757-1A	Agricultural Tractor	Diesel	2007	99	Tier 2	2018	106	Tier 4 Final	2000			10	Kern

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-60762-1-A1	Agricultural Tractor	Diesel	1994	120	Tier 0	2018	114	Tier 4 Final	500			10	Merced
C-60765-1-A1	Agricultural Tractor	Diesel	2003	102	Tier 1	2019	114	Tier 4 Final	800			10	Merced
C-60766-1-A1	Chopper	Diesel	2001	601	Tier 1	2019	617	Tier 4 Final	316			10	Stanislaus
C-60767-1-A1	Other Agricultural	Diesel	1995	140	Tier 0	2019	192	Tier 4 Final	2100			10	Tulare
C-60769-1-A1	Wheel Loader	Diesel	1996	140	Tier 0	2019	192	Tier 4 Final	2100			10	Tulare
C-60771-1-A1	Agricultural Tractor	Diesel	1973	58	Tier 0	2017	98	Tier 4 Phase In/Alt NOx	400			10	Merced
C-60774-1-A1	Wheel Loader	Diesel	1999	142	Tier 1	2019	166	Tier 4 Final	300			10	Fresno
C-60775-1-A1	Agricultural Tractor	Diesel	1998	269	Tier 1	2018	311	Tier 4 Final	1035			10	Stanislaus
C-60776-1-A1	Agricultural Tractor	Diesel	1994	110	Tier 0	2018	99	Tier 4 Final	500			10	Kern
C-60778-1-A2	Wheel Loader	Diesel	2005	149	Tier 2	2019	166	Tier 4 Final	800			10	Merced
C-60780-1-A1	Wheel Loader	Diesel	1981	112	Tier 0	2019	152	Tier 4 Final	1000			10	Tulare
C-60781-1-A1	Wheel Loader	Diesel	2001	160	Tier 1	2019	192	Tier 4 Final	1800			10	Tulare
C-60783-1-A1	Agricultural Tractor	Diesel	1994	360	Tier 0	2019	515	Tier 4 Final	1281			10	Kings
C-60786-1-A1	Agricultural Tractor	Diesel	1967	160	Tier 0	2019	195	Tier 4 Final	500			10	Merced
C-60787-1-A1	Agricultural Tractor	Diesel	1980	84	Tier 0	2018	101	Tier 4 Final	425			10	Madera
C-60789-1-A1	Agricultural Tractor	Diesel	1994	360	Tier 0	2019	515	Tier 4 Final	1000			10	Kings
C-60791-1-A1	Agricultural Tractor	Diesel	1974	72	Tier 0	2016	106	Tier 4 Final	400			10	Fresno
C-60794-1-A1	Skid Loader	Diesel	2002	59	Tier 1	2018	61	Tier 4 Final	250			10	Fresno
C-60802-1-A1	Agricultural Tractor	Diesel	1990	97	Tier 0	2018	123	Tier 4 Final	1400			10	Fresno
C-60807-1-A1	Agricultural Tractor	Diesel	1990	69	Tier 0	2018	74	Tier 4 Final	1000			10	Stanislaus
C-60809-1-A1	Agricultural Tractor	Diesel	1998	114	Tier 1	2018	114	Tier 4 Final	300			10	Fresno
C-60812-1-A1	Back Hoe	Diesel	1990	69	Tier 0	2017	74	Tier 4 Final	1000			10	Stanislaus
C-60813-1-A1	Other Agricultural	Diesel	2003	130	Tier 2	2018	174	Tier 4 Final	455			10	San Joaquin
C-60816-1-A1	Agricultural Tractor	Diesel	1973	120	Tier 0	2017	99	Tier 4 Final	500			10	Merced
C-60821-1-A1	Agricultural Tractor	Diesel	1978	81	Tier 0	2018	105	Tier 4 Final	300			10	Merced
C-60825-1-A1	Agricultural Tractor	Diesel	2005	86	Tier 2	2019	106	Tier 4 Phase In/Alt NOx	700			10	Fresno
C-60844-1-A1	Other Agricultural	Diesel	1998	60	Tier 1	2019	64	Tier 4 Final	650			10	Stanislaus
C-60852-1-A1	Agricultural Tractor	Diesel	1988	102	Tier 0	2019	115	Tier 4 Final	910			10	Madera
C-60856-1-A1	Agricultural Tractor	Diesel	1984	63	Tier 0	2019	73	Tier 4 Final	225			10	San Joaquin
C-60859-1-A1	Agricultural Tractor	Diesel	1960	67	Tier 0	2019	73	Tier 4 Final	300			10	Tulare
C-60870-1-A1	Agricultural Tractor	Diesel	1962	61	Tier 0	2019	73	Tier 4 Final	400			10	Tulare
C-60875-1-A1	Wheel Loader	Diesel	2005	250	Tier 2	2018	264	Tier 4 Final	2000			10	San Joaquin

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-60877-1-A1	Agricultural Tractor	Diesel	2004	290	Tier 2	2018	303	Tier 4 Final	2000			10	San Joaquin
C-60878-1-A1	Skid Loader	Diesel	2006	56	Tier 1	2018	63	Tier 4 Final	700			10	Merced
C-60883-1-A1	Other Agricultural	Diesel	1991	50	Tier 0	2019	57	Tier 4 Final	320			10	Tulare
C-60885-1-A1	Agricultural Tractor	Diesel	1980	76	Tier 0	2019	58	Tier 4 Final	960			10	Fresno
C-60887-1-A1	Agricultural Tractor	Diesel	2001	89	Tier 1	2018	106	Tier 4 Final	200			10	Merced
C-60890-1-A1	Agricultural Tractor	Diesel	2006	97	Tier 2	2017	114	Tier 4 Final	200			10	Merced
C-60893-1-A1	Wheel Loader	Diesel	1994	120	Tier 0	2018	148	Tier 4 Final	2500			10	Tulare
C-60895-1-A1	Agricultural Tractor	Diesel	1992	97	Tier 0	2019	101	Tier 4 Final	400			10	Stanislaus
C-60897-1-A1	Agricultural Tractor	Diesel	1979	48	Tier 0	2015	52	Tier 4 Final	500			10	Fresno
C-60898-1-A1	Shaker	Diesel	2006	135	Tier 2	2019	174	Tier 4 Final	500			10	Fresno
C-60900-1-A1	Agricultural Tractor	Diesel	2006	115	Tier 2	2018	123	Tier 4 Final	700			10	Merced
C-60902-1-A1	Agricultural Tractor	Diesel	2006	115	Tier 2	2019	123	Tier 4 Final	700			10	Merced
C-60904-1-A1	Agricultural Tractor	Diesel	1974	50	Tier 0	2019	73	Tier 4 Final	320			10	Tulare
C-60905-1-A1	Almond Sweeper	Diesel	1988	80	Tier 0	2019	74	Tier 4 Final	400			10	Fresno
C-60907-1-A1	Agricultural Tractor	Diesel	1990	63	Tier 0	2019	73	Tier 4 Final	300			10	San Joaquin
C-60909-1-A1	Nut Sweeper	Diesel	2003	40	Tier 1	2018	74	Tier 4 Interim	500			10	Kings
C-60916-1-A1	Wheel Loader	Diesel	2001	109	Tier 1	2018	109	Tier 4 Final	1700			10	Merced
C-60917-1-A1	Agricultural Tractor	Diesel	2002	135	Tier 1	2019	188	Tier 4 Final	800			10	Merced
C-60922-1-A1	Agricultural Tractor	Diesel	1998	135	Tier 1	2019	188	Tier 4 Final	800			10	Merced
C-60938-1-A1	Agricultural Tractor	Diesel	1980	216	Tier 0	2019	115	Tier 4 Final	250			10	Tulare
C-60941-1-A1	Skid Loader	Diesel	1989	59	Tier 0	2018	72	Tier 4 Final	320			10	Tulare
C-60961-1-A1	Agricultural Tractor	Diesel	2005	98	Tier 2	2019	106	Tier 4 Final	350			10	Merced
C-60965-1-A1	Chopper	Diesel	2013	872	Tier 2	2019	872	Tier 4 Final	1000			10	Merced
C-60979-1-A1	Agricultural Tractor	Diesel	2002	116	Tier 1	2018	123	Tier 4 Final	1200			10	Tulare
C-60982-1-A1	Wheel Loader	Diesel	1988	197	Tier 0	2019	232	Tier 4 Final	1000			10	Stanislaus
C-60983-1-A1	Agricultural Tractor	Diesel	2002	89	Tier 1	2019	114	Tier 4 Final	200			10	Stanislaus
C-60988-1-A1	Back Hoe	Diesel	2005	75	Tier 2	2019	90	Tier 4 Final	975			10	Fresno
C-60989-1-A1	Other Agricultural	Diesel	1967	52	Tier 0	2019	90	Tier 4 Final	800			10	Fresno
C-60990-1-A1	Agricultural Tractor	Diesel	1975	63	Tier 0	2016	84	Tier 4 Final	300			10	Fresno
C-60991-1-A1	Agricultural Tractor	Diesel	1976	158	Tier 0	2019	130	Tier 4 Final	450			10	Kings
C-60994-1-A1	Agricultural Tractor	Diesel	1976	61	Tier 0	2019	73	Tier 4 Final	320			10	Tulare
C-60995-1-A1	Agricultural Tractor	Diesel	1967	65	Tier 0	2019	73	Tier 4 Final	300			10	Tulare

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-60996-1-A1	Agricultural Tractor	Diesel	2001	94	Tier 1	2017	74	Tier 4 Final	450			10	San Joaquin
C-60997-1-A1	Agricultural Tractor	Diesel	2001	108	Tier 1	2016	106	Tier 4 Phase In/Alt NOx	250			10	Merced
C-60998-1-A1	Agricultural Tractor	Diesel	1978	73	Tier 0	2018	115	Tier 4 Final	300			10	Fresno
C-61058-1-A1	Wheel Loader	Diesel	1999	174	Tier 1	2019	192	Tier 4 Final	2000			10	Fresno
C-61059-1-A1	Wheel Loader	Diesel	2002	170	Tier 1	2019	192	Tier 4 Final	2000			10	Fresno
C-61066-1-A1	Wheel Loader	Diesel	2006	148	Tier 2	2018	194	Tier 4 Final	1057			10	Stanislaus
C-61090-1-A1	Agricultural Tractor	Diesel	1989	81	Tier 0	2017	99	Tier 4 Final	300			10	Stanislaus
C-61108-1-A1	Cotton Picker	Diesel	1991	250	Tier 0	2010	365	Tier 3	510			10	Merced
C-61108-1-A1	Cotton Picker	Diesel	1993	250	Tier 0								Merced
C-61111-1-A1	Almond Shaker	Diesel	2000	125	Tier 1	2019	74	Tier 4 Final	500			10	Madera
C-61112-1-A1	Agricultural Tractor	Diesel	1995	93	Tier 0	2019	114	Tier 4 Final	1000			10	Tulare
C-61113-1-A1	Agricultural Tractor	Diesel	1998	175	Tier 1	2019	175	Tier 4 Final	1000			10	Tulare
C-61123-1-A1	Agricultural Tractor	Diesel	2002	181	Tier 1	2019	175	Tier 4 Final	1000			10	Tulare
C-61142-1-A1	Agricultural Tractor	Diesel	2003	89	Tier 1	2017	90	Tier 4 Final	750			10	Kern
C-61162-1-A1	Agricultural Tractor	Diesel	2005	91	Tier 2	2017	90	Tier 4 Final	750			10	Kern
C-61166-1-A1	Agricultural Tractor	Diesel	2007	93	Tier 2	2017	90	Tier 4 Final	750			10	Kern
C-61193-1-A1	Tractor	Diesel	2002	89	Tier 1	2017	90	Tier 4 Final	750			10	Kern
C-61196-1-A1	Back Hoe	Diesel	1986	69	Tier 0	2019	113	Tier 4 Final	1000			10	Merced
C-61198-1-A1	Tractor	Diesel	2003	89	Tier 1	2016	90	Tier 4 Final	750			10	Kern
C-61202-1-A1	Wheel Loader	Diesel	1968	141	Tier 0	2019	192	Tier 4 Final	1200			10	Merced
C-61216-1-A1	Tractor	Diesel	2002	89	Tier 1	2017	90	Tier 4 Final	750			10	Kern
C-61220-1-A1	Tractor	Diesel	2002	90	Tier 1	2017	90	Tier 4 Final	750			10	Kern
C-61227-1-A1	Chopper	Diesel	2013	872	Tier 2	2019	872	Tier 4 Final	700			10	Stanislaus
C-61228-1-A1	Ag Forage Harvester	Diesel	2013	872	Tier 2	2019	872	Tier 4 Final	700			10	Stanislaus
C-61243-1-A1	Tractor	Diesel	2007	91	Tier 2	2017	90	Tier 4 Final	750			10	Kern
C-61244-1-A1	Shaker	Diesel	2006	130	Tier 2	2019	174	Tier 4 Final	475			10	Merced
C-61247-1-A1	Shaker	Diesel	1999	125	Tier 1	2018	148	Tier 4 Final	450			10	Fresno
C-61249-1-A1	Harvester	Diesel	1998	496	Tier 1	2017	617	Tier 4 Final	1000			10	Tulare
C-61274-1-A1	Back Hoe	Diesel	1999	75	Tier 1	2018	97	Tier 4 Final	1200			10	Kern
C-61277-1-A1	Agricultural Tractor	Diesel	2005	156	Tier 2	2019	148	Tier 4 Final	850			10	Fresno
C-61286-1-A1	Agricultural Tractor	Diesel	1973	103	Tier 0	2017	101	Tier 4 Final	2500			10	Kern
C-61292-1-A1	Agricultural Tractor	Diesel	2002	130	Tier 1	2019	175	Tier 4 Final	1250			10	San Joaquin

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-61306-1-A1	Wheel Loader	Diesel	1974	65	Tier 0	2018	117	Tier 4 Final	1500			10	Kings
C-61326-1-A1	Agricultural Tractor	Diesel	2006	91	Tier 2	2016	90	Tier 4 Final	750			10	Kern
C-61328-1-A1	Agricultural Tractor	Diesel	2006	91	Tier 2	2017	90	Tier 4 Final	750			10	Kern
C-61329-1-A1	Agricultural Tractor	Diesel	2005	91	Tier 2	2017	90	Tier 4 Final	750			10	Kern
C-61331-1-A1	Wheel Loader	Diesel	1986	95	Tier 0	2019	152	Tier 4 Final	2200			10	Stanislaus
C-61335-1-A1	Agricultural Tractor	Diesel	1993	27	Tier 0	2017	35	Tier 4 Final	500			10	Tulare
C-61336-1-A1	Agricultural Tractor	Diesel	1996	58	Tier 0	2019	99	Tier 4 Final	750			10	Tulare
C-61351-1-A1	Agricultural Tractor	Diesel	2006	30	Tier 2	2015	53	Tier 4 Final	1500			10	Stanislaus
C-61378-1-A1	Wheel Loader	Diesel	1999	145	Tier 1	2018	188	Tier 4 Final	1800			10	Tulare
C-61424-1-A1	Agricultural Tractor	Diesel	2003	89	Tier 1	2018	123	Tier 4 Final	450			10	Madera
C-61435-1-A1	Shaker	Diesel	1993	165	Tier 0	2018	148	Tier 4 Final	400			10	Fresno
C-61446-1-A1	Wheel Loader	Diesel	1974	100	Tier 0	2019	184	Tier 4 Final	1000			10	Kings
C-61457-1-A1	Agricultural Tractor	Diesel	2006	86	Tier 2	2018	98	Tier 4 Phase In/Alt NOx	450			10	San Joaquin
C-61460-1-A1	Sweeper	Diesel	2003	80	Tier 1	2019	74	Tier 4 Final	531			10	Merced
C-61482-1-A1	Other Agricultural	Diesel	2004	75	Tier 2	2017	63	Tier 4 Final	300			10	Stanislaus
C-61483-1-A1	Agricultural Tractor	Diesel	2003	92	Tier 1	2019	106	Tier 4 Final	300			10	Stanislaus
C-61485-1-A1	Agricultural Tractor	Diesel	1982	84	Tier 0	2017	93	Tier 4 Final	750			10	Merced
C-61532-1-A1	Sweeper	Diesel	2003	80	Tier 1	2019	74	Tier 4 Final	1319			10	Merced
C-61533-1-A1	Sweeper	Diesel	2003	80	Tier 1	2019	74	Tier 4 Final	531			10	Merced
C-61534-1-A1	Sweeper	Diesel	2006	80	Tier 2	2019	74	Tier 4 Final	1916			10	Merced
C-61536-1-A1	Agricultural Tractor	Diesel	1976	158	Tier 0	2018	115	Tier 4 Final	800			10	Kings
C-61537-1-A1	Agricultural Tractor	Diesel	1982	82	Tier 0	2018	114	Tier 4 Final	500			10	Fresno
C-61538-1-A1	Agricultural Tractor	Diesel	1972	209	Tier 0	2019	311	Tier 4 Final	790			10	Merced
C-61539-1-A1	Skid Loader	Diesel	1994	40	Tier 0	2018	74	Tier 4 Final	1200			10	Merced
C-61540-1-A1	Agricultural Tractor	Diesel	1975	71	Tier 0	2018	106	Tier 4 Phase In/Alt NOx	800			10	Kings
C-61543-1A	Tree Shaker	Diesel	2007	130	Tier 2	2017	174	Tier 4 Final	660			10	Fresno
C-61547-1-A1	Agricultural Tractor	Diesel	1995	350	Tier 0	2019	400	Tier 4 Final	500			10	Tulare
C-61549-1-A1	Back Hoe	Diesel	2004	84	Tier 2	2019	110	Tier 4 Final	350			10	San Joaquin
C-61550-1-A1	Back Hoe	Diesel	1988	69	Tier 0	2019	93	Tier 4 Final	250			10	San Joaquin
C-61551-1-A1	Back Hoe	Diesel	1987	69	Tier 0	2019	93	Tier 4 Final	400			10	Stanislaus
C-61552-1-A1	Swathers	Diesel	2002	166	Tier 1	2017	250	Tier 4 Final	330			10	Stanislaus
C-61553-1-A1	Agricultural Tractor	Diesel	1995	99	Tier 0	2016	125	Tier 4 Phase In/Alt NOx	500			10	Madera

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-61554-1-A1	Wheel Loader	Diesel	2005	232	Tier 2	2019	232	Tier 4 Final	2000			10	San Joaquin
C-61555-1-A1	Agricultural Tractor	Diesel	1979	84	Tier 0	2018	123	Tier 4 Final	1500			10	Tulare
C-61560-1A	Harvester	Diesel	2006	110	Tier 2	2018	142	Tier 4 Final	500			10	Tulare
C-61560-2A	Harvester	Diesel	2006	110	Tier 2	2018	115	Tier 4 Final	500			10	Tulare
C-61561-1A	Harvester	Diesel	2004	110	Tier 2	2018	142	Tier 4 Final	500			10	Tulare
C-61561-2A	Harvester	Diesel	2006	110	Tier 2	2018	115	Tier 4 Final	500			10	Tulare
C-61562-1A	Harvester	Diesel	2006	110	Tier 2	2018	142	Tier 4 Final	500			10	Tulare
C-61562-2A	Harvester	Diesel	2006	110	Tier 2	2018	115	Tier 4 Final	500			10	Tulare
C-61563-1A	Harvester	Diesel	2006	110	Tier 2	2018	115	Tier 4 Final	500			10	Tulare
C-61563-2A	Harvester	Diesel	2006	110	Tier 2	2018	142	Tier 4 Final	500			10	Tulare
C-61565-1A	Harvester	Diesel	2005	110	Tier 2	2018	142	Tier 4 Final	500			10	Tulare
C-61565-2A	Harvester	Diesel	2006	110	Tier 2	2018	115	Tier 4 Final	500			10	Tulare
C-61566-1A	Harvester	Diesel	2006	110	Tier 2	2018	142	Tier 4 Final	500			10	Tulare
C-61566-2A	Harvester	Diesel	2006	110	Tier 2	2018	115	Tier 4 Final	500			10	Tulare
C-61606-1-A1	Swathers	Diesel	2002	115	Tier 1	2019	260	Tier 4 Final	425			10	Fresno
C-61625-1-A1	Agricultural Tractor	Diesel	1981	80	Tier 0	2019	106	Tier 4 Final	120			10	Madera
C-61658-1-A1	Agricultural Tractor	Diesel	1977	69	Tier 0	2018	106	Tier 4 Phase In/Alt NOx	500			10	Fresno
C-61664-1-A1	Agricultural Tractor	Diesel	2003	89	Tier 1	2017	115	Tier 4 Final	500			10	Fresno
C-61666-1-A1	Agricultural Tractor	Diesel	1988	290	Tier 0	2017	114	Tier 4 Final	1000			10	Madera
C-61667-1-A1	Agricultural Tractor	Diesel	1991	99	Tier 0	2017	114	Tier 4 Final	1000			10	Madera
C-61668-1-A1	Agricultural Tractor	Diesel	1988	154	Tier 0	2017	114	Tier 4 Final	1000			10	Madera
C-61724-1-A1	Agricultural Tractor	Diesel	2000	92	Tier 1	2019	106	Tier 4 Final	250			10	Fresno
C-61725-1-A1	Agricultural Tractor	Diesel	2001	375	Tier 2	2019	520	Tier 4 Final	1000			10	San Joaquin
C-61727-1-A1	Other Agricultural	Diesel	1975	59	Tier 0	2017	74	Tier 4 Final	500			10	Stanislaus
C-61730-1-A1	Agricultural Tractor	Diesel	2005	92	Tier 2	2016	105	Tier 4 Final	390			10	Fresno
C-61731-1-A1	Agricultural Tractor	Diesel	2004	92	Tier 2	2017	105	Tier 4 Final	400			10	Fresno
C-61732-1-A1	Windrower	Diesel	2005	225	Tier 2	2018	210	Tier 4 Final	900			10	Tulare
C-61735-1-A1	Windrower	Diesel	2005	225	Tier 2	2018	210	Tier 4 Final	900			10	Tulare
C-61739-1-A1	Wheel Loader	Diesel	1970	150	Tier 0	2017	74	Tier 4 Final	650			10	Tulare
C-61785-1-A1	Windrower	Diesel	2000	165	Tier 1	2019	235	Tier 4 Final	1500			10	Tulare
C-61786-1-A1	Bale Wagon	Diesel	2000	160	Tier 1	2019	340	Tier 4 Final	1200			10	Tulare
C-61787-1-A1	Bale Wagon	Diesel	2000	160	Tier 1	2019	190	Tier 4 Final	1200			10	Tulare

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-61790-1-A1	Agricultural Tractor	Diesel	1988	97	Tier 0	2019	123	Tier 4 Final	750			10	Tulare
C-61791-1-A1	Agricultural Tractor	Diesel	1973	91	Tier 0	2019	120	Tier 4 Final	450			10	Kings
C-61792-1-A1	Wheel Loader	Diesel	1995	130	Tier 0	2019	140	Tier 4 Final	500			10	Stanislaus
C-61793-1-A1	Agricultural Tractor	Diesel	1972	162	Tier 0	2019	195	Tier 4 Final	700			10	Tulare
C-61796-1-A1	Almond Shaker	Diesel	1997	125	Tier 1	2019	174	Tier 4 Final	400			10	Madera
C-61819-1-A1	Agricultural Tractor	Diesel	1997	88	Tier 0	2019	123	Tier 4 Final	100			10	Fresno
C-61822-1-A1	Skid Loader	Diesel	2003	90	Tier 2	2018	72	Tier 4 Final	1500			10	San Joaquin
C-61823-1-A1	Skid Loader	Diesel	2001	46	Tier 1	2018	51	Tier 4 Final	1500			10	San Joaquin
C-61836-1-A1	Agricultural Tractor	Diesel	2001	224	Tier 1	2019	295	Tier 4 Final	1000			10	Fresno
C-61837-1-A1	Wheel Loader	Diesel	2006	143	Tier 2	2018	148	Tier 4 Final	2920			10	Stanislaus
C-61840-1-A1	Back Hoe	Diesel	1977	62	Tier 0	2017	74	Tier 4 Final	400			10	Stanislaus
C-61843-1-A1	Skid Loader	Diesel	2005	90	Tier 2	2019	72	Tier 4 Final	1500			10	San Joaquin
C-61845-1-A1	Agricultural Tractor	Diesel	2000	95	Tier 1	2018	114	Tier 4 Final	700			10	Kings
C-61846-1-A1	Almond Shaker	Diesel	1997	125	Tier 1	2019	174	Tier 4 Final	400			10	Madera
C-61855-1-A1	Almond Shaker	Diesel	1997	125	Tier 1	2019	174	Tier 4 Final	400			10	Madera
C-61857-1-A1	Agricultural Tractor	Diesel	2002	98	Tier 1	2019	114	Tier 4 Final	400			10	Stanislaus
C-61903-1-A1	Cotton Harvester	Diesel	1982	207	Tier 0	2019	560	Tier 4 Final	600			10	Merced
C-61903-1-A1	Cotton Harvester	Diesel	1993	225	Tier 0								Merced
C-61903-1-A1	Cotton Harvester	Diesel	1981	207	Tier 0								Merced
C-62033-1-A1	Agricultural Tractor	Diesel	2005	51	Tier 2	2018	106	Tier 4 Phase In/Alt NOx	438			10	Kern
C-62036-1-A1	Agricultural Tractor	Diesel	2005	56	Tier 1	2018	106	Tier 4 Phase In/Alt NOx	500			10	Kern
C-62044-1-A1	Agricultural Tractor	Diesel	2006	90	Tier 2	2018	106	Tier 4 Phase In/Alt NOx	709			10	Tulare
C-62045-1-A1	Agricultural Tractor	Diesel	2006	92	Tier 2	2018	106	Tier 4 Phase In/Alt NOx	664			10	Tulare
C-62047-1-A1	Wheel Loader	Diesel	1991	128	Tier 0	2019	166	Tier 4 Final	2000			10	Fresno
C-62050-1-A1	Agricultural Tractor	Diesel	2005	51	Tier 2	2018	106	Tier 4 Phase In/Alt NOx	615			10	Fresno
C-62051-1-A1	Agricultural Tractor	Diesel	2005	92	Tier 2	2018	106	Tier 4 Phase In/Alt NOx	490			10	Kern
C-62054-1-A1	Wheel Loader	Diesel	1993	170	Tier 0	2019	166	Tier 4 Final	1100			10	Fresno
C-62055-1-A1	Agricultural Tractor	Diesel	2005	259	Tier 2	2018	245	Tier 4 Final	3000			10	Kern
C-62057-1-A1	Wheel Loader	Diesel	1997	125	Tier 1	2018	140	Tier 4 Final	2600			10	Fresno
C-62058-1-A1	Wheel Loader	Diesel	1998	125	Tier 1	2018	166	Tier 4 Final	1460			10	Fresno

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-62059-1-A1	Other Agricultural	Diesel	1992	71	Tier 0	2019	96	Tier 4 Final	300			10	Stanislaus
C-62065-1-A1	Agricultural Tractor	Diesel	2005	51	Tier 2	2019	45	Tier 4 Final	1800			10	Kern
C-62072-1-A1	Agricultural Tractor	Diesel	2003	51	Tier 1	2019	45	Tier 4 Final	1800			10	Kern
C-62089-1-A1	Shaker	Diesel	2006	130	Tier 2	2019	148	Tier 4 Final	450			10	Merced
C-62090-1-A1	Agricultural Tractor	Diesel	1993	156	Tier 0	2018	114	Tier 4 Final	800			10	Kern
C-62092-1-A1	Agricultural Tractor	Diesel	1991	156	Tier 0	2018	114	Tier 4 Final	800			10	Madera
C-62093-1-A1	Agricultural Tractor	Diesel	2005	92	Tier 2	2018	114	Tier 4 Final	800			10	Kern
C-62094-1-A1	Agricultural Tractor	Diesel	2004	92	Tier 2	2018	114	Tier 4 Final	800			10	Madera
C-62095-1-A1	Agricultural Tractor	Diesel	1992	204	Tier 0	2018	114	Tier 4 Final	800			10	Kern
C-62096-1-A1	Agricultural Tractor	Diesel	1963	96	Tier 0	2019	100	Tier 4 Final	300			10	Fresno
C-62098-1-A1	Skid Loader	Diesel	2003	74	Tier 1	2017	124	Tier 4 Final	2500			10	Merced
C-62099-1-A1	Agricultural Tractor	Diesel	2005	92	Tier 2	2019	106	Tier 4 Final	500			10	Tulare
C-62100-1-A1	Agricultural Tractor	Diesel	1981	216	Tier 0	2019	195	Tier 4 Final	300			10	Fresno
C-62106-1-A1	Sweeper	Diesel	2003	80	Tier 1	2018	74	Tier 4 Final	450			10	Fresno
C-62108-1-A1	Wheel Loader	Diesel	2004	145	Tier 2	2019	166	Tier 4 Final	1500			10	Merced
C-62115-1-A1	Wheel Loader	Diesel	1987	93	Tier 0	2018	153	Tier 4 Final	1500			10	Merced
C-62189-1-A1	Agricultural Tractor	Diesel	1983	94	Tier 0	2018	115	Tier 4 Final	150			10	Tulare
C-62190-1-A1	Agricultural Tractor	Diesel	1986	26	Tier 0	2019	32	Tier 4 Final	500			10	Madera
C-62191-1-A1	Agricultural Tractor	Diesel	2005	91	Tier 2	2018	106	Tier 4 Phase In/Alt NOx	500			10	Madera
C-62192-1-A1	Agricultural Tractor	Diesel	1976	38	Tier 0	2018	106	Tier 4 Phase In/Alt NOx	500			10	Madera
C-62205-1-A1	Almond Shaker	Diesel	1999	125	Tier 1	2019	174	Tier 4 Final	1000			10	Fresno
C-62216-1-A1	Back Hoe	Diesel	2005	95	Tier 2	2018	96	Tier 4 Final	600			10	Merced
C-62217-1-A1	Back Hoe	Diesel	1979	66	Tier 0	2019	93	Tier 4 Final	160			10	San Joaquin
C-62221-1-A1	Agricultural Tractor	Diesel	1986	26	Tier 0	2018	32	Tier 4 Final	500			10	Madera
C-62222-1-A1	Agricultural Tractor	Diesel	1986	26	Tier 0	2019	32	Tier 4 Final	500			10	Madera
C-62253-1-A1	Agricultural Tractor	Diesel	2002	102	Tier 1	2018	106	Tier 4 Final	250			10	Tulare
C-62285-1-A1	Agricultural Tractor	Diesel	2006	86	Tier 2	2018	106	Tier 4 Final	500			10	Stanislaus
C-62346-1-A1	Agricultural Tractor	Diesel	1997	80	Tier 0	2019	99	Tier 4 Final	200			10	Fresno
C-62348-1-A1	Agricultural Tractor	Diesel	1991	81	Tier 0	2019	106	Tier 4 Final	634			10	Fresno
C-62351-1-A1	Sprayer	Diesel	1976	216	Tier 0	2020	173	Tier 4 Final	600			10	Merced

Project Type Off-Road

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Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-62352-1-A1	Agricultural Tractor	Diesel	1990	186	Tier 0	2019	155	Tier 4 Final	500			10	San Joaquin
C-62353-1-A1	Agricultural Tractor	Diesel	1966	55	Tier 0	2018	73	Tier 4 Final	350			10	San Joaquin
C-62355-1-A1	Almond Sweeper	Diesel	2004	42	Tier 2	2019	74	Tier 4 Final	600			10	Madera
C-62356-1-A1	Skid Loader	Diesel	2004	50	Tier 2	2018	66	Tier 4 Final	650			10	Merced
C-62357-1-A1	Harvester	Diesel	1990	115	Tier 0	2018	174	Tier 4 Final	325			10	Stanislaus
C-62443-1-A1	Agricultural Tractor	Diesel	1972	64	Tier 0	2019	67	Tier 4 Final	1000			10	Fresno
C-62444-1-A1	Sweeper	Diesel	1997	80	Tier 0	2019	48	Tier 4 Final	475			10	Stanislaus
C-62463-1-A1	Agricultural Tractor	Diesel	1998	114	Tier 1	2017	106	Tier 4 Final	900			10	San Joaquin
C-62467-1-A1	Agricultural Tractor	Diesel	2004	115	Tier 2	2017	106	Tier 4 Phase In/Alt NOx	1500			10	San Joaquin
C-62484-1-A1	Other Agricultural	Diesel	1976	80	Tier 0	2019	90	Tier 4 Final	950			10	Merced
C-62485-1-A1	Agricultural Tractor	Diesel	1988	97	Tier 0	2018	115	Tier 4 Final	900			10	San Joaquin
C-62493-1-A1	Agricultural Tractor	Diesel	2002	92	Tier 1	2019	114	Tier 4 Final	300			10	Merced
C-62494-1-A1	Back Hoe	Diesel	1988	69	Tier 0	2018	96	Tier 4 Final	500			10	Stanislaus
C-62496-1-A1	Agricultural Backhoe	Diesel	2002	102	Tier 1	2018	96	Tier 4 Final	900			10	San Joaquin
C-62499-1-A1	Agricultural Tractor	Diesel	1976	84	Tier 0	2018	73	Tier 4 Final	200			10	Fresno
C-62518-1-A1	Wheel Loader	Diesel	2005	129	Tier 2	2018	148	Tier 4 Final	600			10	San Joaquin
C-62520-1-A1	Agricultural Tractor	Diesel	1978	96	Tier 0	2019	123	Tier 4 Final	200			10	Fresno
C-62532-1-A1	Other Agricultural	Diesel	1990	69	Tier 0	2019	90	Tier 4 Final	850			10	Fresno
C-62535-1-A1	Agricultural Tractor	Diesel	2005	91	Tier 2	2018	115	Tier 4 Final	2400			10	Kern
C-62538-1-A1	Agricultural Tractor	Diesel	2003	89	Tier 1	2018	115	Tier 4 Final	2400			10	Kern
C-62541-1-A1	Agricultural Tractor	Diesel	2004	89	Tier 2	2018	114	Tier 4 Final	2400			10	Kern
C-62542-1-A1	Almond Elevator	Diesel	1999	80	Tier 1	2016	74	Tier 4 Final	450			10	Stanislaus
C-62570-1-A1	Agricultural Tractor	Diesel	1988	156	Tier 0	2018	236	Tier 4 Final	600			10	Merced
C-62574-1-A1	Agricultural Tractor	Diesel	1993	234	Tier 0	2019	114	Tier 4 Final	500			10	Tulare
C-62576-1-A1	Agricultural Tractor	Diesel	1988	79	Tier 0	2019	52	Tier 4 Final	500			10	Tulare
C-62579-1-A1	Agricultural Tractor	Diesel	1994	45	Tier 0	2019	52	Tier 4 Final	500			10	Tulare
C-62580-1-A1	Agricultural Tractor	Diesel	1996	300	Tier 1	2019	114	Tier 4 Final	1000			10	Tulare
C-62581-1-A1	Shaker	Diesel	1998	125	Tier 1	2018	174	Tier 4 Final	500			10	Tulare
C-62582-1-A1	Agricultural Tractor	Diesel	2005	91	Tier 2	2017	115	Tier 4 Final	2400			10	Kern
C-62589-1-A1	Agricultural Backhoe	Diesel	1989	71	Tier 0	2018	96	Tier 4 Final	500			10	Stanislaus

Project Type Off-Road

Description Vehicle Replacement

SJVAPCD Project Data 2020

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-62593-1-A1	Tractor	Diesel	2006	98	Tier 2	2016	114	Tier 4 Final	600			10	Madera
C-62625-1-A1	Agricultural Backhoe	Diesel	1971	57	Tier 0	2019	96	Tier 4 Final	500			10	Stanislaus
C-62637-1-A1	Tractor	Diesel	1997	81	Tier 0	2018	106	Tier 4 Final	500			10	Stanislaus
C-62643-1-A1	Tractor	Diesel	2005	92	Tier 2	2018	106	Tier 4 Final	500			10	Stanislaus
C-62652-1-A1	Agricultural Tractor	Diesel	2006	86	Tier 2	2018	123	Tier 4 Final	500			10	Stanislaus
C-62669-1-A1	Agricultural Tractor	Diesel	2005	283	Tier 2	2019	270	Tier 4 Final	2900			10	Kern
C-62671-1-A1	Tractor	Diesel	2005	92	Tier 2	2018	106	Tier 4 Final	500			10	Stanislaus
C-62672-1-A1	Wheel Loader	Diesel	2006	160	Tier 2	2018	182	Tier 4 Final	2900			10	Kern
C-62674-1-A1	Agricultural Tractor	Diesel	1974	67	Tier 0	2016	59	Tier 4 Final	500			10	Kings
C-62675-1-A1	Tractor Loader	Diesel	2000	95	Tier 1	2019	96	Tier 4 Final	300			10	Stanislaus
C-62684-1-A1	Agricultural Tractor	Diesel	1996	140	Tier 0	2018	123	Tier 4 Final	550			10	Tulare
C-62691-1-A1	Agricultural Tractor	Diesel	1969	86	Tier 0	2019	99	Tier 4 Final	500			10	Stanislaus
C-62723-1-A1	Agricultural Tractor	Diesel	1992	88	Tier 0	2019	123	Tier 4 Final	500			10	Stanislaus
C-62724-1-A1	Agricultural Tractor	Diesel	1985	90	Tier 0	2019	155	Tier 4 Final	500			10	Stanislaus
C-62729-1-A1	Agricultural Tractor	Diesel	2007	86	Tier 2	2018	123	Tier 4 Final	500			10	Stanislaus
C-62732-1-A1	Sweeper	Diesel	1996	80	Tier 0	2017	74	Tier 4 Final	500			10	Stanislaus
C-62742-1-A1	Agricultural Tractor	Diesel	1979	69	Tier 0	2018	114	Tier 4 Final	200			10	Fresno
C-62745-1-A1	Agricultural Tractor	Diesel	1974	151	Tier 0	2018	110	Tier 4 Phase In/Alt NOx	400			10	San Joaquin
C-62748-1-A1	Agricultural Tractor	Diesel	2001	89	Tier 1	2019	210	Tier 4 Final	500			10	Stanislaus
C-62749-1-A1	Agricultural Tractor	Diesel	2002	88	Tier 1	2019	210	Tier 4 Final	500			10	Stanislaus
C-62752-1-A1	Shaker	Diesel	2006	130	Tier 2	2019	174	Tier 4 Final	500			10	Stanislaus
C-62764-1-A1	Wheel Loader	Diesel	1997	105	Tier 1	2019	148	Tier 4 Final	1000			10	San Joaquin
C-62767-1-A1	Agricultural Tractor	Diesel	2005	86	Tier 2	2018	123	Tier 4 Final	500			10	Stanislaus
C-62788-1-A1	Agricultural Tractor	Diesel	2007	86	Tier 2	2018	123	Tier 4 Final	500			10	Stanislaus
C-62794-1-A1	Agricultural Tractor	Diesel	2006	86	Tier 2	2019	123	Tier 4 Final	500			10	Stanislaus
C-62806-1-A1	Agricultural Tractor	Diesel	2004	86	Tier 2	2019	123	Tier 4 Final	500			10	Stanislaus
C-62811-1-A1	Agricultural Tractor	Diesel	2007	86	Tier 2	2018	123	Tier 4 Final	500			10	Stanislaus
C-62814-1-A1	Agricultural Tractor	Diesel	1964	84	Tier 0	2019	120	Tier 4 Final	500			10	Stanislaus
C-62816-1-A1	Agricultural Tractor	Diesel	2007	86	Tier 2	2019	123	Tier 4 Final	500			10	Stanislaus
C-62903-1-A1	Agricultural Tractor	Diesel	2006	113	Tier 2	2018	106	Tier 4 Phase In/Alt NOx	1000			10	Kern

Project Type Off-Road

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Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-62918-1-A1	Agricultural Tractor	Diesel	1995	54	Tier 0	2019	123	Tier 4 Final	300			10	Fresno
C-62929-1-A1	Sprayer	Diesel	1997	110	Tier 1	2011	130	Tier 3	850			10	San Joaquin
C-62947-1-A1	Sweeper	Diesel	2004	48	Tier 2	2018	74	Tier 4 Final	400			10	Madera
C-62951-1-A1	Agricultural Tractor	Diesel	1999	95	Tier 1	2019	114	Tier 4 Final	300			10	Fresno
C-62971-1-A1	Agricultural Tractor	Diesel	2005	91	Tier 2	2019	123	Tier 4 Final	300			10	Fresno
C-62972-1-A1	Skid Loader	Diesel	2001	48	Tier 1	2018	74	Tier 4 Final	1500			10	San Joaquin
C-62977-1-A1	Agricultural Tractor	Diesel	1991	97	Tier 0	2019	114	Tier 4 Final	400			10	Stanislaus
C-62990-1-A1	Agricultural Tractor	Diesel	1986	81	Tier 0	2017	106	Tier 4 Final	634			10	Fresno
C-63022-1-A1	Tractor	Diesel	2001	115	Tier 1	2016	105	Tier 4 Final	750			10	Fresno
C-63034-1-A1	Agricultural Tractor	Diesel	1995	27	Tier 0	2017	45	Tier 4 Final	600			10	Madera
C-63037-1-A1	Agricultural Tractor	Diesel	2000	40	Tier 1	2019	52	Tier 4 Final	200			10	Fresno
C-63111-1-A1	Agricultural Tractor	Diesel	1995	74	Tier 0	2018	70	Tier 4 Final	1000			10	Tulare
C-63151-1-A1	Agricultural Tractor	Diesel	1995	120	Tier 0	2019	115	Tier 4 Final	1500			10	Fresno
C-63156-1-A1	Agricultural Tractor	Diesel	1997	102	Tier 1	2019	115	Tier 4 Final	1800			10	Fresno
C-63157-1-A1	Shaker	Diesel	1986	104	Tier 0	2019	74	Tier 4 Final	500			10	Madera
C-63161-1-A1	Agricultural Tractor	Diesel	1994	90	Tier 0	2019	115	Tier 4 Final	1800			10	Fresno
C-63163-1-A1	Shaker	Diesel	1998	125	Tier 1	2019	74	Tier 4 Final	500			10	Madera
C-63164-1-A1	Agricultural Tractor	Diesel	1980	108	Tier 0	2019	115	Tier 4 Final	1800			10	Fresno
C-63165-1-A1	Agricultural Tractor	Diesel	1978	60	Tier 0	2019	73	Tier 4 Final	150			10	Merced
C-63166-1-A1	Agricultural Tractor	Diesel	1993	102	Tier 0	2019	115	Tier 4 Final	1800			10	Fresno
C-63167-1-A1	Agricultural Tractor	Diesel	1988	144	Tier 0	2019	115	Tier 4 Final	1800			10	Fresno
C-63169-1-A1	Agricultural Tractor	Diesel	1990	114	Tier 0	2019	115	Tier 4 Final	1800			10	Fresno
C-63171-1-A1	Almond Shaker	Diesel	1994	115	Tier 0	2019	174	Tier 4 Final	500			10	Fresno
C-63172-1-A1	Agricultural Tractor	Diesel	1994	110	Tier 0	2019	115	Tier 4 Final	1800			10	Fresno
C-63173-1-A1	Wheel Loader	Diesel	2005	153	Tier 2	2019	192	Tier 4 Final	2000			10	Tulare
C-63175-1-A1	Agricultural Tractor	Diesel	1987	88	Tier 0	2019	115	Tier 4 Final	1800			10	Fresno
C-63179-1-A1	Agricultural Tractor	Diesel	1987	88	Tier 0	2019	115	Tier 4 Final	1800			10	Fresno
C-63190-1-A1	Almond Shaker	Diesel	1993	115	Tier 0	2019	174	Tier 4 Final	550			10	Fresno
C-63191-1-A1	Agricultural Tractor	Diesel	1997	83	Tier 0	2017	104	Tier 4 Final	600			10	Fresno
C-63199-1-A1	Agricultural Tractor	Diesel	1988	144	Tier 0	2019	115	Tier 4 Final	1800			10	Fresno

Project Type Off-Road

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Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-63201-1-A1	Almond Shaker	Diesel	2006	130	Tier 2	2019	174	Tier 4 Final	600			10	Madera
C-63204-1-A1	Agricultural Tractor	Diesel	2007	92	Tier 2	2018	114	Tier 4 Final	300			10	Stanislaus
C-63208-1-A1	Agricultural Tractor	Diesel	1993	174	Tier 0	2019	115	Tier 4 Final	1800			10	Fresno
C-63212-1-A1	Agricultural Tractor	Diesel	1985	90	Tier 0	2019	115	Tier 4 Final	1800			10	Fresno
C-63213-1-A1	Almond Shaker	Diesel	2005	130	Tier 2	2019	174	Tier 4 Final	600			10	Madera
C-63214-1-A1	Almond Shaker	Diesel	2006	130	Tier 2	2019	174	Tier 4 Final	600			10	Madera
C-63217-1-A1	Almond Shaker	Diesel	2002	130	Tier 1	2019	174	Tier 4 Final	600			10	Madera
C-63218-1-A1	Almond Shaker	Diesel	1999	125	Tier 1	2019	174	Tier 4 Final	600			10	Madera
C-63219-1-A1	Agricultural Tractor	Diesel	1995	68	Tier 0	2018	108	Tier 4 Final	600			10	Fresno
C-63223-1-A1	Nut Sweeper	Diesel	2002	80	Tier 1	2019	74	Tier 4 Final	300			10	San Joaquin
C-63227-1-A1	Loader	Diesel	2005	230	Tier 2	2017	258	Tier 4 Final	1700			10	Kern
C-63228-1-A1	Agricultural Tractor	Diesel	1984	168	Tier 0	2019	115	Tier 4 Final	1800			10	Fresno
C-63232-1-A1	Agricultural Tractor	Diesel	1988	88	Tier 0	2019	115	Tier 4 Final	1800			10	Fresno
C-63236-1-A1	Agricultural Tractor	Diesel	1973	120	Tier 0	2019	115	Tier 4 Final	1800			10	Fresno
C-63244-1-A1	Almond Shaker	Diesel	1997	125	Tier 1	2019	174	Tier 4 Final	600			10	Madera
C-63249-1-A1	Loader	Diesel	1973	318	Tier 0	2018	258	Tier 4 Final	1700			10	Kern
C-63280-1-A1	Agricultural Tractor	Diesel	1988	156	Tier 0	2017	114	Tier 4 Final	250			10	San Joaquin
C-63294-1-A1	Agricultural Tractor	Diesel	1996	120	Tier 0	2019	115	Tier 4 Final	1500			10	Fresno
C-63314-1-A1	Agricultural Tractor	Diesel	1969	76	Tier 0	2019	73	Tier 4 Final	500			10	Merced
C-63316-1-A1	Nut Sweeper	Diesel	1994	80	Tier 0	2019	74	Tier 4 Final	500			10	San Joaquin
C-63319-1-A1	Wheel Loader	Diesel	2003	140	Tier 2	2019	165	Tier 4 Final	650			10	San Joaquin
C-63325-1-A1	Agricultural Tractor	Diesel	1979	45	Tier 0	2019	106	Tier 4 Final	150			10	Fresno
C-63326-1-A1	Agricultural Tractor	Diesel	1988	26	Tier 0	2018	40	Tier 4 Final	300			10	Fresno
C-63327-1-A1	Agricultural Tractor	Diesel	1998	33	Tier 0	2019	43	Tier 4 Final	1000			10	Fresno
C-63341-1-A1	Agricultural Tractor	Diesel	1993	81	Tier 0	2019	106	Tier 4 Final	500			10	Stanislaus
C-63351-1-A1	Other Agricultural	Diesel	2005	95	Tier 2	2019	96	Tier 4 Final	365			10	Stanislaus
C-63371-1-A1	Tractor	Diesel	1999	33	Tier 1	2019	40	Tier 4 Final	300			10	Merced
C-63393-1-A1	Agricultural Tractor	Diesel	1976	50	Tier 0	2018	106	Tier 4 Phase In/Alt NOx	500			10	Madera
C-63406-1-A1	Agricultural Tractor	Diesel	2005	186	Tier 2	2018	175	Tier 4 Final	1000			10	Kern
C-63409-1-A1	Agricultural Tractor	Diesel	2002	181	Tier 1	2019	175	Tier 4 Final	2000			10	Kern

Project Type Off-Road

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Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-63417-1-A1	Agricultural Tractor	Diesel	2004	86	Tier 2	2018	115	Tier 4 Final	600			10	Merced
C-63474-1-A1	Shaker	Diesel	1987	121	Tier 0	2018	148	Tier 4 Final	200			10	Fresno
C-63475-1-A1	Agricultural Tractor	Diesel	1998	108	Tier 1	2019	123	Tier 4 Final	250			10	Fresno
C-63483-1-A1	Wheel Loader	Diesel	2004	153	Tier 2	2019	164	Tier 4 Final	1000			10	Kings
C-63484-1-A1	Agricultural Tractor	Diesel	1981	162	Tier 0	2018	155	Tier 4 Final	250			10	Fresno
C-63491-1-A1	Skid Loader	Diesel	2006	36	Tier 2	2017	74	Tier 4 Final	500			10	Stanislaus
C-63499-1-A1	Agricultural Tractor	Diesel	1979	186	Tier 0	2019	155	Tier 4 Final	1500			10	Fresno
C-63516-1-A1	Agricultural Tractor	Diesel	1976	72	Tier 0	2019	106	Tier 4 Final	200			10	Stanislaus
C-63519-1-A1	Agricultural Tractor	Diesel	1994	84	Tier 0	2017	115	Tier 4 Final	1000			10	Merced
C-63523-1-A1	Agricultural Tractor	Diesel	1980	325	Tier 0	2019	545	Tier 4 Final	400			10	Fresno
C-63527-1-A1	Agricultural Tractor	Diesel	1970	66	Tier 0	2017	73	Tier 4 Final	1900			10	Fresno
C-63529-1-A1	Agricultural Tractor	Diesel	1975	81	Tier 0	2015	93	Tier 4 Final	1000			10	Fresno
C-63535-1-A1	Agricultural Tractor	Diesel	2003	102	Tier 1	2018	114	Tier 4 Final	800			10	Tulare
C-63536-1-A1	Agricultural Tractor	Diesel	1995	240	Tier 0	2019	114	Tier 4 Final	1000			10	Tulare
C-63558-1-A1	Agricultural Tractor	Diesel	2004	375	Tier 2	2019	545	Tier 4 Final	500			10	Fresno
C-63569-1-A1	Agricultural Tractor	Diesel	1996	120	Tier 0	2018	123	Tier 4 Final	372			10	Kings
C-63571-1-A1	Skid Loader	Diesel	1989	69	Tier 0	2019	73	Tier 4 Final	570			10	Kings
C-63572-1-A1	Agricultural Tractor	Diesel	1982	48	Tier 0	2018	59	Tier 4 Final	369			10	Kings
C-63580-1-A1	Wheel Loader	Diesel	1969	100	Tier 0	2019	67	Tier 4 Final	480			10	Stanislaus
C-63594-1-A1	Agricultural Tractor	Diesel	1999	110	Tier 1	2019	151	Tier 4 Final	500			10	Merced
C-63595-1-A1	Agricultural Tractor	Diesel	1998	120	Tier 1	2019	151	Tier 4 Final	500			10	Merced
C-63596-1-A1	Agricultural Tractor	Diesel	1979	60	Tier 0	2018	70	Tier 4 Final	200			10	Fresno
C-63597-1-A1	Agricultural Tractor	Diesel	1996	250	Tier 1	2019	281	Tier 4 Final	750			10	Merced
C-63612-1-A1	Agricultural Tractor	Diesel	1989	81	Tier 0	2018	106	Tier 4 Final	1800			10	Kings
C-63648-1-A1	Agricultural Tractor	Diesel	1980	73	Tier 0	2019	123	Tier 4 Final	600			10	Stanislaus
C-63650-1-A1	Skid Loader	Diesel	2006	75	Tier 2	2019	73	Tier 4 Final	450			10	Kings
C-63651-1-A1	Agricultural Tractor	Diesel	1976	67	Tier 0	2019	89	Tier 4 Final	533			10	Madera
C-63653-1-A1	Wheel Loader	Diesel	1997	96	Tier 0	2019	101	Tier 4 Final	500			10	Merced
C-63656-1-A1	Agricultural Tractor	Diesel	2003	92	Tier 1	2019	65	Tier 4 Final	250			10	Kings
C-63657-1-A1	Agricultural Tractor	Diesel	1965	160	Tier 0	2019	155	Tier 4 Final	850			10	Fresno

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SJVAPCD Project Data 2020

Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-63659-1-A1	Agricultural Tractor	Diesel	1972	91	Tier 0	2019	155	Tier 4 Final	850			10	Fresno
C-63673-1-A1	Agricultural Tractor	Diesel	2002	62	Tier 1	2019	73	Tier 4 Final	280			10	Kings
C-63679-1-A1	Other Agricultural	Diesel	1998	80	Tier 1	2019	74	Tier 4 Final	1600			10	Madera
C-63680-1-A1	Other Agricultural	Diesel	1997	80	Tier 0	2019	74	Tier 4 Final	1600			10	Madera
C-63683-1-A1	Agricultural Tractor	Diesel	1980	216	Tier 0	2019	115	Tier 4 Final	400			10	Merced
C-63693-1-A1	Sweeper	Diesel	1996	80	Tier 0	2019	74	Tier 4 Final	1600			10	Madera
C-63770-1-A1	Shaker	Diesel	1984	104	Tier 0	2019	74	Tier 4 Final	400			10	Merced
C-63867-1-A1	Agricultural Tractor	Diesel	2004	110	Tier 2	2019	130	Tier 4 Final	450			10	Kern
C-63873-1-A1	Agricultural Tractor	Diesel	2006	98	Tier 2	2018	115	Tier 4 Final	300			10	Fresno
C-63898-1-A1	Agricultural Tractor	Diesel	1996	81	Tier 0	2018	123	Tier 4 Final	800			10	Tulare
C-63901-1-A1	Agricultural Tractor	Diesel	1998	101	Tier 1	2019	155	Tier 4 Final	850			10	Fresno
C-63910-1-A1	Agricultural Tractor	Diesel	2002	504	Tier 2	2018	611	Tier 4 Final	800			10	Merced
C-63915-1-A1	Agricultural Tractor	Diesel	1976	84	Tier 0	2019	123	Tier 4 Final	1500			10	Stanislaus
C-63917-1-A1	Other Agricultural	Diesel	1976	160	Tier 0	2019	166	Tier 4 Final	650			10	Madera
C-63918-1-A1	Agricultural Tractor	Diesel	1995	81	Tier 0	2019	114	Tier 4 Final	300			10	San Joaquin
C-63919-1-A1	Wheel Loader	Diesel	2005	153	Tier 2	2019	192	Tier 4 Final	1800			10	Tulare
C-63924-1-A1	Wheel Loader	Diesel	1983	114	Tier 0	2019	166	Tier 4 Final	1500			10	Stanislaus
C-63934-1-A1	Agricultural Tractor	Diesel	1978	84	Tier 0	2019	73	Tier 4 Final	500			10	Tulare
C-63962-1-A1	Agricultural Tractor	Diesel	1984	90	Tier 0	2019	123	Tier 4 Final	1500			10	Stanislaus
C-63965-1-A1	Wheel Loader	Diesel	2005	183	Tier 2	2018	232	Tier 4 Final	1000			10	Stanislaus
C-63972-1-A1	Agricultural Tractor	Diesel	1999	88	Tier 1	2019	123	Tier 4 Final	1250			10	Stanislaus
C-63975-1-A1	Agricultural Tractor	Diesel	1990	256	Tier 0	2019	115	Tier 4 Final	1800			10	Fresno
C-63979-1-A1	Agricultural Tractor	Diesel	1994	285	Tier 0	2019	115	Tier 4 Final	1800			10	Fresno
C-63980-1-A1	Wheel Loader	Diesel	1995	160	Tier 0	2019	255	Tier 4 Final	1800			10	Kern
C-63987-1-A1	Agricultural Tractor	Diesel	2002	450	Tier 2	2018	595	Tier 4 Final	350			10	Stanislaus
C-64043-1-A1	Agricultural Tractor	Diesel	1981	84	Tier 0	2018	106	Tier 4 Final	400			10	Stanislaus
C-64107-1-A1	Agricultural Tractor	Diesel	2002	115	Tier 1	2019	123	Tier 4 Final	750			10	Madera
C-64118-1-A1	Agricultural Tractor	Diesel	2005	113	Tier 2	2019	123	Tier 4 Final	750			10	Madera
C-64133-1-A1	Agricultural Tractor	Diesel	2001	114	Tier 1	2018	123	Tier 4 Final	750			10	Madera
C-64135-1-A1	Agricultural Tractor	Diesel	2002	114	Tier 1	2018	123	Tier 4 Final	750			10	Madera

Project Type Off-Road

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Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-64137-1-A1	Agricultural Tractor	Diesel	2003	113	Tier 2	2018	123	Tier 4 Final	750			10	Madera
C-64138-1-A1	Agricultural Tractor	Diesel	2005	51	Tier 2	2019	73	Tier 4 Final	1500			10	Kern
C-64142-1-A1	Agricultural Tractor	Diesel	2004	114	Tier 2	2015	168	Tier 4 Final	300			10	Fresno
C-64148-1-A1	Agricultural Tractor	Diesel	2002	113	Tier 1	2018	123	Tier 4 Final	750			10	Madera
C-64198-1-A1	Tractor	Diesel	1986	81	Tier 0	2019	114	Tier 4 Final	300			10	Stanislaus
C-64204-1-A1	Agricultural Tractor	Diesel	1987	107	Tier 0	2016	142	Tier 4 Final	500			10	Stanislaus
C-64247-1-A1	Agricultural Tractor	Diesel	2002	263	Tier 1	2018	320	Tier 4 Final	3000			10	Kern
C-64256-1-A1	Agricultural Tractor	Diesel	2004	49	Tier 2	2018	74	Tier 4 Final	3936			10	San Joaquin
C-64259-1-A1	Agricultural Tractor	Diesel	2006	73	Tier 2	2019	98	Tier 4 Phase In/Alt NOx	1500			10	Fresno
C-64279-1-A1	Shaker	Diesel	2006	130	Tier 2	2019	148	Tier 4 Final	350			10	Tulare
C-64285-1-A1	Wheel Loader	Diesel	1999	145	Tier 1	2019	192	Tier 4 Final	1660			10	Fresno
C-64293-1-A1	Other Agricultural	Diesel	2002	125	Tier 1	2018	74	Tier 4 Final	300			10	Tulare
C-64297-1-A1	Other Agricultural	Diesel	2002	125	Tier 1	2018	74	Tier 4 Final	300			10	Tulare
C-64301-1-A1	Wheel Loader	Diesel	1999	208	Tier 1	2019	256	Tier 4 Final	1000			10	Merced
C-64302-1-A1	Agricultural Tractor	Diesel	2006	96	Tier 2	2018	123	Tier 4 Final	300			10	Fresno
C-64304-1-A1	Agricultural Tractor	Diesel	1990	109	Tier 0	2019	123	Tier 4 Final	300			10	Fresno
C-64305-1-A1	Sweeper	Diesel	2006	80	Tier 1	2019	74	Tier 4 Final	600			10	Madera
C-64306-1-A1	Agricultural Tractor	Diesel	2003	192	Tier 2	2018	245	Tier 4 Final	2000			10	Kern
C-64324-1-A1	Sweeper	Diesel	2006	80	Tier 1	2019	74	Tier 4 Final	600			10	Madera
C-64349-1-A1	Agricultural Tractor	Diesel	1996	86	Tier 0	2019	106	Tier 4 Phase In/Alt NOx	200			10	San Joaquin
C-64360-1-A1	Wheel Loader	Diesel	1985	125	Tier 0	2019	157	Tier 4 Final	2000			10	Tulare
C-64361-1-A1	Wheel Loader	Diesel	1978	115	Tier 0	2020	152	Tier 4 Final	1500			10	Merced
C-64365-1-A1	Wheel Loader	Diesel	1978	80	Tier 0	2019	95	Tier 4 Final	2000			10	Tulare
C-64366-1-A1	Skid Loader	Diesel	1979	80	Tier 0	2019	95	Tier 4 Final	2000			10	Tulare
C-64370-1-A1	Tractor	Diesel	2003	375	Tier 2	2019	400	Tier 4 Final	950			10	Fresno
C-64378-1-A1	Wheel Loader	Diesel	1978	260	Tier 0	2019	307	Tier 4 Final	2000			10	Tulare
C-64388-1-A1	Shaker	Diesel	2006	155	Tier 2	2019	174	Tier 4 Final	500			10	Stanislaus
C-64390-1-A1	Agricultural Tractor	Diesel	1996	102	Tier 0	2018	123	Tier 4 Final	1000			10	Kings
C-64393-1-A1	Agricultural Tractor	Diesel	1975	68	Tier 0	2019	39	Tier 4 Final	500			10	Kings
C-64400-1-A1	Other Agricultural	Diesel	2006	155	Tier 2	2018	174	Tier 4 Final	500			10	Stanislaus

Project Type Off-Road

Description Vehicle Replacement

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-64403-1-A1	Agricultural Tractor	Diesel	2002	132	Tier 1	2018	115	Tier 4 Final	2000			10	Kings
C-64416-1-A1	Agricultural Tractor	Diesel	1998	193	Tier 1	2019	245	Tier 4 Final	500			10	Merced
C-64430-1-A1	Agricultural Tractor	Diesel	2002	107	Tier 1	2016	99	Tier 4 Final	500			10	Madera
C-64435-1-A1	Agricultural Tractor	Diesel	2002	80	Tier 1	2016	99	Tier 4 Final	500			10	Madera
C-64454-1-A1	Wheel Loader	Diesel	1972	80	Tier 0	2018	115	Tier 4 Final	2000			10	Tulare
C-64472-1-A1	Wheel Loader	Diesel	2000	256	Tier 1	2019	316	Tier 4 Final	1000			10	San Joaquin
C-64511-1-A1	Agricultural Tractor	Diesel	1994	45	Tier 0	2018	42	Tier 4 Final	350			10	Fresno
C-64513-1-A1	Wheel Loader	Diesel	1992	135	Tier 0	2019	166	Tier 4 Final	2800			10	Tulare
C-64521-1-A1	Agricultural Tractor	Diesel	2001	88	Tier 1	2019	106	Tier 4 Phase In/Alt NOx	1000			10	Tulare
C-64522-1-A1	Back Hoe	Diesel	1999	35	Tier 1	2019	46	Tier 4 Final	200			10	Fresno
C-64524-1-A1	Agricultural Tractor	Diesel	2001	88	Tier 1	2019	106	Tier 4 Phase In/Alt NOx	1000			10	Tulare
C-64616-1-A1	Agricultural Tractor	Diesel	1995	110	Tier 0	2018	174	Tier 4 Final	1000			10	Kings
C-64649-1-A1	Wheel Loader	Diesel	1994	130	Tier 0	2018	148	Tier 4 Final	2000			10	Tulare
C-64679-1-A1	Agricultural Tractor	Diesel	1989	240	Tier 0	2019	295	Tier 4 Final	400			10	Tulare
C-64706-1-A1	Excavator	Diesel	1995	128	Tier 0	2018	162	Tier 4 Final	1500			10	Madera
C-64769-1-A1	Almond Sweeper	Diesel	1992	74	Tier 0	2015	74	Tier 4 Final	240			10	Fresno
C-64775-1-A1	Agricultural Tractor	Diesel	1974	48	Tier 0	2017	60	Tier 4 Final	300			10	Tulare
C-64776-1-A1	Skid Loader	Diesel	2003	75	Tier 1	2016	73	Tier 4 Final	800			10	Stanislaus
C-64782-1-A1	Tractor	Diesel	1988	71	Tier 0	2019	114	Tier 4 Final	500			10	Stanislaus
C-64783-1-A1	Agricultural Tractor	Diesel	1964	89	Tier 0	2018	115	Tier 4 Final	800			10	Tulare
C-64785-1-A1	Agricultural Tractor	Diesel	1999	119	Tier 1	2018	123	Tier 4 Final	800			10	Fresno
C-64786-1-A1	Wheel Loader	Diesel	1989	85	Tier 0	2018	103	Tier 4 Final	1800			10	Fresno
C-64788-1-A1	Wheel Loader	Diesel	1998	138	Tier 1	2019	166	Tier 4 Final	1500			10	Kings
C-64789-1-A1	Agricultural Tractor	Diesel	1995	90	Tier 0	2018	106	Tier 4 Phase In/Alt NOx	1000			10	Kern
C-64790-1-A1	Agricultural Tractor	Diesel	1999	104	Tier 1	2016	139	Tier 4 Final	1000			10	Kern
C-64806-1-A1	Agricultural Tractor	Diesel	1995	103	Tier 0	2018	106	Tier 4 Phase In/Alt NOx	250			10	Fresno
C-64807-1-A1	Agricultural Tractor	Diesel	1977	97	Tier 0	2018	106	Tier 4 Phase In/Alt NOx	250			10	Fresno
C-64813-1-A1	Agricultural Tractor	Diesel	1990	81	Tier 0	2018	106	Tier 4 Phase In/Alt NOx	250			10	Fresno
C-64820-1-A1	Back Hoe	Diesel	1984	69	Tier 0	2019	90	Tier 4 Final	1100			10	Fresno
C-64831-1-A1	Wheel Loader	Diesel	2004	143	Tier 2	2019	152	Tier 4 Final	1200			10	Tulare

Project Type Off-Road

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Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-64832-1-A1	Wheel Loader	Diesel	2005	180	Tier 2	2018	192	Tier 4 Final	1200			10	Tulare
C-64932-1-A1	Wheel Loader	Diesel	2002	200	Tier 1	2019	192	Tier 4 Final	1000			10	Madera
C-64945-1-A1	Agricultural Tractor	Diesel	1981	60	Tier 0	2019	74	Tier 4 Final	800			10	Madera
C-64991-1-A1	Shaker	Diesel	2004	130	Tier 2	2018	174	Tier 4 Final	500			10	Stanislaus
C-64994-1-A1	Other Agricultural	Diesel	2006	130	Tier 2	2018	174	Tier 4 Final	500			10	Stanislaus
C-64996-1-A1	Other Agricultural	Diesel	2006	155	Tier 2	2018	174	Tier 4 Final	500			10	Stanislaus
C-64998-1-A1	Other Agricultural	Diesel	2006	130	Tier 2	2018	174	Tier 4 Final	500			10	Stanislaus
C-65000-1-A1	Other Agricultural	Diesel	2006	130	Tier 2	2018	174	Tier 4 Final	500			10	Stanislaus
C-65008-1-A1	Agricultural Tractor	Diesel	2006	91	Tier 2	2019	100	Tier 4 Final	750			10	Fresno
C-65009-1-A1	Agricultural Tractor	Diesel	2005	50	Tier 2	2018	73	Tier 4 Final	750			10	Fresno
C-65010-1-A1	Shaker	Diesel	1993	120	Tier 0	2019	148	Tier 4 Final	400			10	Tulare
C-65013-1-A1	Agricultural Tractor	Diesel	1981	60	Tier 0	2019	73	Tier 4 Final	350			10	Fresno
C-65020-1-A1	Agricultural Tractor	Diesel	1978	186	Tier 0	2019	175	Tier 4 Final	400			10	Fresno
C-65031-1-A1	Agricultural Tractor	Diesel	1990	88	Tier 0	2019	114	Tier 4 Final	500			10	Tulare
C-65032-1-A1	Other Agricultural	Diesel	1990	74	Tier 0	2019	90	Tier 4 Final	950			10	Madera
C-65058-1-A1	Agricultural Tractor	Diesel	1981	156	Tier 0	2019	120	Tier 4 Final	800			10	Fresno
C-65059-1-A1	Agricultural Tractor	Diesel	1976	79	Tier 0	2019	114	Tier 4 Final	1100			10	Tulare
C-65062-1-A1	Agricultural Tractor	Diesel	1979	97	Tier 0	2019	99	Tier 4 Final	1100			10	Tulare
C-65063-1-A1	Agricultural Tractor	Diesel	1994	115	Tier 0	2018	70	Tier 4 Final	1100			10	Tulare
C-65064-1-A1	Agricultural Tractor	Diesel	1975	69	Tier 0	2018	106	Tier 4 Final	1100			10	Tulare
C-65071-1-A1	Agricultural Tractor	Diesel	2002	115	Tier 1	2018	99	Tier 4 Final	500			10	Fresno
C-65073-1-A1	Agricultural Tractor	Diesel	1977	76	Tier 0	2018	115	Tier 4 Final	1100			10	Tulare
C-65182-1-A1	Agricultural Tractor	Diesel	2006	112	Tier 2	2019	123	Tier 4 Final	560			10	Fresno
C-65205-1-A1	Wheel Loader	Diesel	1980	83	Tier 0	2019	117	Tier 4 Final	1500			10	Tulare
C-65212-1-A1	Agricultural Tractor	Diesel	1979	97	Tier 0	2016	106	Tier 4 Final	600			10	Merced
C-65213-1-A1	Agricultural Tractor	Diesel	1989	88	Tier 0	2019	115	Tier 4 Final	600			10	Tulare
C-65216-1-A1	Agricultural Tractor	Diesel	1993	190	Tier 0	2018	230	Tier 4 Final	900			10	Fresno
C-65219-1-A1	Agricultural Tractor	Diesel	1983	97	Tier 0	2018	120	Tier 4 Final	600			10	Fresno
C-65247-1-A1	Other Agricultural	Diesel	2006	155	Tier 2	2017	174	Tier 4 Final	500			10	Stanislaus
C-65249-1-A1	Back Hoe	Diesel	1987	69	Tier 0	2018	74	Tier 4 Final	388			10	San Joaquin

Project Type Off-Road

Description Vehicle Replacement

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-65253-1-A1	Agricultural Tractor	Diesel	1965	115	Tier 0	2019	115	Tier 4 Final	400			10	San Joaquin
C-65254-1-A1	Wheel Loader	Diesel	2004	154	Tier 2	2019	184	Tier 4 Final	1500			10	Tulare
C-65274-1-A1	Forklift	Diesel	1989	96	Tier 0	2019	109	Tier 4 Final	350			10	Kings
C-65279-1-A1	Skid Loader	Diesel	1999	44	Tier 1	2018	57	Tier 4 Final	205			10	Stanislaus
C-65297-1-A1	Agricultural Tractor	Diesel	2000	114	Tier 1	2018	123	Tier 4 Final	1200			10	Fresno
C-65331-1-A1	Agricultural Tractor	Diesel	1994	97	Tier 0	2018	106	Tier 4 Final	400			10	San Joaquin
C-65349-1-A1	Agricultural Tractor	Diesel	1995	104	Tier 0	2019	139	Tier 4 Final	974			10	Tulare
C-65362-1-A1	Agricultural Tractor	Diesel	1981	60	Tier 0	2019	114	Tier 4 Final	500			10	Tulare
G-65420-A1	Agricultural Tractor	Diesel	1998	114	Tier 1	2018	123	Tier 4 Final	1200			10	Fresno
G-65471-A1	Shaker	Diesel	2005	156	Tier 2	2019	148	Tier 4 Final	480			10	Madera
G-65487-A1	Shaker	Diesel	2002	125	Tier 1	2019	148	Tier 4 Final	480			10	Madera
G-65493-A1	Shaker	Diesel	2005	156	Tier 2	2019	148	Tier 4 Final	480			10	Madera
G-65509-A1	Shaker	Diesel	2006	165	Tier 2	2019	148	Tier 4 Final	480			10	Madera
G-65510-A1	Agricultural Tractor	Diesel	1987	79	Tier 0	2019	114	Tier 4 Final	100			10	San Joaquin
G-65515-A1	Shaker	Diesel	1996	120	Tier 0	2019	148	Tier 4 Final	480			10	Madera
G-65519-A1	Other Agricultural	Diesel	2005	138	Tier 2	2019	166	Tier 4 Final	1500			10	San Joaquin
G-65521-A1	Shaker	Diesel	1999	125	Tier 1	2019	148	Tier 4 Final	480			10	Madera
G-65527-A1	Other Agricultural	Diesel	2005	138	Tier 2	2019	166	Tier 4 Final	1500			10	San Joaquin
G-65529-A1	Agricultural Tractor	Diesel	1964	89	Tier 0	2018	106	Tier 4 Phase In/Alt NOx	850			10	Tulare
G-65532-A1	Shaker	Diesel	2002	125	Tier 1	2019	148	Tier 4 Final	480			10	Madera
G-65539-A1	Shaker	Diesel	2006	165	Tier 2	2019	148	Tier 4 Final	480			10	Madera
G-65540-A1	Shaker	Diesel	1998	125	Tier 1	2019	148	Tier 4 Final	480			10	Madera
G-65550-A1	Tractor	Diesel	1988	54	Tier 0	2017	73	Tier 4 Final	800			10	Fresno
G-65551-A1	Agricultural Tractor	Diesel	2004	316	Tier 2	2018	514	Tier 4 Final	1250			10	Merced
G-65652-A1	Agricultural Tractor	Diesel	1982	97	Tier 0	2019	114	Tier 4 Final	60			10	Merced
G-65653-A1	Excavator	Diesel	1996	168	Tier 1	2019	203	Tier 4 Final	1000			10	Madera
G-65654-A1	Agricultural Tractor	Diesel	1997	81	Tier 0	2019	73	Tier 4 Final	800			10	Tulare
G-65770-A1	Forklift	Diesel	2003	75	Tier 1	2019	74	Tier 4 Final	1700			10	San Joaquin
G-65771-A1	Forklift	Diesel	1999	74	Tier 1	2019	74	Tier 4 Final	1700			10	San Joaquin
G-65772-A1	Agricultural Tractor	Diesel	1981	60	Tier 0	2017	52	Tier 4 Final	800			10	Fresno

Project Type Off-Road

Description Vehicle Replacement

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-65773-A1	Excavator	Diesel	1989	118	Tier 0	2019	121	Tier 4 Final	1000			10	Madera
G-65776-A1	Wheel Loader	Diesel	2004	129	Tier 2	2019	139	Tier 4 Final	700			10	Stanislaus
G-65790-A1	Agricultural Tractor	Diesel	1964	55	Tier 0	2019	99	Tier 4 Final	240			10	Stanislaus
G-65791-A1	Agricultural Tractor	Diesel	1997	270	Tier 1	2019	295	Tier 4 Final	2000			10	Kings
G-65792-A1	Agricultural Tractor	Diesel	2001	32	Tier 1	2019	37	Tier 4 Final	1500			10	Kings
G-65796-A1	Forklift	Diesel	1987	63	Tier 0	2018	74	Tier 4 Final	500			10	Tulare
G-65849-A1	Wheel Loader	Diesel	2006	149	Tier 2	2019	166	Tier 4 Final	1000			10	Merced
G-65916-A1	Agricultural Tractor	Diesel	1997	110	Tier 1	2019	145	Tier 4 Final	1500			10	Kern
G-65918-A1	Agricultural Tractor	Diesel	1997	155	Tier 1	2019	175	Tier 4 Final	1500			10	Kern
G-65922-A1	Agricultural Tractor	Diesel	2006	109	Tier 2	2018	114	Tier 4 Final	400			10	Kern
G-65936-A1	Agricultural Tractor	Diesel	2006	109	Tier 2	2018	106	Tier 4 Phase In/Alt NOx	600			10	Kern
G-65937-A1	Agricultural Tractor	Diesel	2006	109	Tier 2	2018	106	Tier 4 Phase In/Alt NOx	600			10	Kern
G-65944-A1	Agricultural Tractor	Diesel	1997	86	Tier 0	2019	93	Tier 4 Final	1100			10	San Joaquin
G-65945-A1	Agricultural Tractor	Diesel	1987	80	Tier 0	2019	93	Tier 4 Final	1100			10	San Joaquin
G-66015-A1	Wheel Loader	Diesel	1990	157	Tier 0	2018	194	Tier 4 Final	1200			10	Kings
G-66055-A1	Agricultural Tractor	Diesel	1998	246	Tier 1	2018	236	Tier 4 Final	225			10	Kings
G-66056-A1	Agricultural Tractor	Diesel	1989	73	Tier 0	2019	114	Tier 4 Final	300			10	Stanislaus
G-66057-A1	Agricultural Tractor	Diesel	1973	151	Tier 0	2019	123	Tier 4 Final	600			10	Merced
G-66061-A1	Skid Loader	Diesel	2006	75	Tier 2	2019	73	Tier 4 Final	500			10	Merced
G-66095-A1	Agricultural Tractor	Diesel	1984	400	Tier 0	2018	370	Tier 4 Final	1000			10	Madera
G-66111-A1	Agricultural Tractor	Diesel	2003	100	Tier 1	2018	115	Tier 4 Final	400			10	Kern
G-66113-A1	Other Agricultural	Diesel	1987	69	Tier 0	2017	74	Tier 4 Final	1000			10	Merced
G-66157-A1	Sweeper	Diesel	2001	80	Tier 1	2018	74	Tier 4 Final	400			10	Madera
G-66173-A1	Agricultural Tractor	Diesel	1976	180	Tier 0	2019	195	Tier 4 Final	500			10	Fresno
G-66186-A1	Agricultural Tractor	Diesel	1997	100	Tier 1	2018	114	Tier 4 Final	2500			10	Kern
G-66198-A1	Agricultural Tractor	Diesel	1998	89	Tier 1	2019	114	Tier 4 Final	1000			10	Madera
G-66202-A1	Agricultural Tractor	Diesel	1984	75	Tier 0	2019	106	Tier 4 Phase In/Alt NOx	400			10	Tulare
G-66204-A1	Almond Shaker	Diesel	1995	120	Tier 0	2018	74	Tier 4 Final	200			10	Kern
G-66243-A1	Forklift	Diesel	1972	140	Tier 0	2019	73	Tier 4 Final	700			10	Stanislaus
G-66248-A1	Back Hoe	Diesel	1992	74	Tier 0	2019	99	Tier 4 Final	450			10	San Joaquin

Project Type Off-Road

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Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-66272-A1	Agricultural Tractor	Diesel	1996	95	Tier 0	2019	114	Tier 4 Final	1000			10	Stanislaus
G-66282-A1	Agricultural Tractor	Diesel	1995	81	Tier 0	2019	114	Tier 4 Final	1000			10	Stanislaus
G-66283-A1	Agricultural Tractor	Diesel	1999	95	Tier 1	2019	114	Tier 4 Final	1000			10	Stanislaus
G-66285-A1	Agricultural Tractor	Diesel	1995	81	Tier 0	2019	114	Tier 4 Final	1000			10	Stanislaus
G-66350-A1	Forklift	Diesel	1997	71	Tier 0	2018	74	Tier 4 Final	1200			10	Kern
G-66352-A1	Forklift	Diesel	1993	71	Tier 0	2018	74	Tier 4 Final	1200			10	Kern
G-66353-A1	Forklift	Diesel	1989	71	Tier 0	2018	74	Tier 4 Final	1200			10	Kern
G-66354-A1	Forklift	Diesel	1989	71	Tier 0	2018	74	Tier 4 Final	1200			10	Kern
G-66357-A1	Forklift	Diesel	2000	86	Tier 1	2018	74	Tier 4 Final	1200			10	Kern
G-66361-A1	Forklift	Diesel	1989	71	Tier 0	2018	74	Tier 4 Final	1200			10	Kern
G-66362-A1	Forklift	Diesel	1985	71	Tier 0	2018	74	Tier 4 Final	1200			10	Kern
G-66371-A1	Back Hoe	Diesel	1998	75	Tier 1	2018	97	Tier 4 Final	1200			10	Kern
G-66388-A1	Back Hoe	Diesel	1998	100	Tier 1	2018	97	Tier 4 Final	1200			10	Kern
G-66394-A1	Back Hoe	Diesel	1998	75	Tier 1	2019	97	Tier 4 Final	1200			10	Kern
G-66397-A1	Back Hoe	Diesel	2000	75	Tier 1	2018	97	Tier 4 Final	1200			10	Kern
G-66399-A1	Back Hoe	Diesel	1997	95	Tier 0	2018	97	Tier 4 Final	1200			10	Kern
G-66400-A1	Back Hoe	Diesel	2000	95	Tier 1	2018	97	Tier 4 Final	1200			10	Kern
G-66401-A1	Forklift	Diesel	1985	71	Tier 0	2018	74	Tier 4 Final	1200			10	Kern
G-66403-A1	Forklift	Diesel	1999	86	Tier 1	2018	74	Tier 4 Final	1200			10	Kern
G-66405-A1	Forklift	Diesel	2001	86	Tier 1	2018	74	Tier 4 Final	1200			10	Kern
G-66406-A1	Forklift	Diesel	1994	71	Tier 0	2018	74	Tier 4 Final	1200			10	Kern
G-66413-A1	Forklift	Diesel	2003	86	Tier 1	2018	74	Tier 4 Final	1200			10	Kern
G-66414-A1	Forklift	Diesel	1986	71	Tier 0	2018	74	Tier 4 Final	1200			10	Kern
G-66416-A1	Forklift	Diesel	1998	86	Tier 1	2018	74	Tier 4 Final	1200			10	Kern
G-66417-A1	Forklift	Diesel	1996	70	Tier 0	2018	74	Tier 4 Final	1200			10	Kern
G-66418-A1	Forklift	Diesel	1987	80	Tier 0	2018	74	Tier 4 Final	1200			10	Kern
G-66420-A1	Forklift	Diesel	1995	71	Tier 0	2018	74	Tier 4 Final	1200			10	Kern
G-66440-A1	Agricultural Tractor	Diesel	1993	240	Tier 0	2019	311	Tier 4 Final	1000			10	Kern
G-66441-A1	Agricultural Tractor	Diesel	1994	210	Tier 0	2019	311	Tier 4 Final	1000			10	Kern
G-66442-A1	Agricultural Tractor	Diesel	1995	240	Tier 0	2019	311	Tier 4 Final	1000			10	Kern

Project Type Off-Road

Description Vehicle Replacement

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-66495-A1	Other Agricultural	Diesel	1983	104	Tier 0	2011	110	Tier 3	200			10	Merced
G-66523-A1	Agricultural Tractor	Diesel	2004	526	Tier 2	2019	195	Tier 4 Final	950			10	Kern
G-66524-A1	Agricultural Tractor	Diesel	2006	109	Tier 2	2019	114	Tier 4 Final	500			10	Merced
G-66558-A1	Agricultural Tractor	Diesel	2000	196	Tier 1	2019	245	Tier 4 Final	2000			10	Kern
G-66626-A1	Agricultural Tractor	Diesel	2001	181	Tier 1	2018	114	Tier 4 Final	1000			10	Kern
G-66627-A1	Agricultural Tractor	Diesel	2003	62	Tier 2	2019	73	Tier 4 Final	240			10	Kings
G-66629-A1	Agricultural Tractor	Diesel	1988	71	Tier 0	2017	114	Tier 4 Final	482			10	Kings
G-66630-A1	Sprayer	Diesel	1990	80	Tier 0	2019	100	Tier 4 Final	250			10	Merced
G-66634-A1	Almond Shaker	Diesel	1991	115	Tier 0	2018	148	Tier 4 Final	300			10	San Joaquin
G-66637-A1	Agricultural Tractor	Diesel	1988	96	Tier 0	2019	125	Tier 4 Final	500			10	Merced
G-66638-A1	Other Agricultural Equ	Diesel	2002	180	Tier 1	2018	225	Tier 4 Final	600			10	Fresno
G-66673-A1	Agricultural Tractor	Diesel	2003	115	Tier 2	2018	114	Tier 4 Final	1500			10	Kern
G-66680-A1	Agricultural Tractor	Diesel	2006	115	Tier 2	2018	114	Tier 4 Final	1500			10	Kern
G-66682-A1	Agricultural Tractor	Diesel	2006	115	Tier 2	2018	114	Tier 4 Final	1500			10	Kern
G-66683-A1	Agricultural Tractor	Diesel	1989	168	Tier 0	2019	155	Tier 4 Final	350			10	Madera
G-66695-A1	Wheel Loader	Diesel	2006	143	Tier 2	2019	164	Tier 4 Final	1800			10	Tulare
G-66699-A1	Agricultural Tractor	Diesel	1982	98	Tier 0	2019	123	Tier 4 Final	300			10	Fresno
G-66816-A1	Wheel Loader	Diesel	1992	85	Tier 0	2019	192	Tier 4 Final	1000			10	Merced
G-66888-A1	Other Agricultural	Diesel	2002	125	Tier 1	2019	174	Tier 4 Final	500			10	Stanislaus
G-66922-A1	Agricultural Tractor	Diesel	1970	135	Tier 0	2019	123	Tier 4 Final	350			10	Fresno
G-66931-A1	Agricultural Tractor	Diesel	1998	89	Tier 1	2019	114	Tier 4 Final	300			10	Stanislaus
G-66948-A1	Cotton Harvester	Diesel	1990	135	Tier 0	2019	560	Tier 4 Final	650			10	Fresno
G-66948-A1	Cotton Harvester	Diesel	1991	250	Tier 0								Fresno
G-66949-A1	Cotton Harvester	Diesel	1986	114	Tier 0	2019	560	Tier 4 Final	**570**			10	Fresno
G-66949-A1	Cotton Harvester	Diesel	1992	250	Tier 0								Fresno
G-66987-A1	Wheel Loader	Diesel	1988	85	Tier 0	2019	157	Tier 4 Final	1500			10	Kern
G-67055-A1	Agricultural Tractor	Diesel	1996	102	Tier 0	2019	106	Tier 4 Phase In/Alt NOx	600			10	Tulare
G-67057-A1	Agricultural Tractor	Diesel	1974	151	Tier 0	2019	114	Tier 4 Final	500			10	Merced
G-67343-A1	Agricultural Tractor	Diesel	1967	110	Tier 0	2017	99	Tier 4 Final	100			10	Stanislaus
G-67475-A1	Agricultural Tractor	Diesel	1998	99	Tier 1	2019	114	Tier 4 Final	700			10	Madera

Project Type Off-Road

Description Vehicle Replacement

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-67506-A1	Agricultural Tractor	Diesel	1988	140	Tier 0	2019	115	Tier 4 Final	750			10	Kern
G-67593-A1	Chopper	Diesel	2002	570	Tier 2	2019	758	Tier 4 Final	820			10	Tulare
G-67594-A1	Shaker	Diesel	1998	125	Tier 1	2018	148	Tier 4 Final	600			10	Merced
G-67595-A1	Chopper	Diesel	2002	570	Tier 2	2019	759	Tier 4 Final	790			10	Tulare
G-67596-A1	Shaker	Diesel	1998	125	Tier 1	2018	148	Tier 4 Final	600			10	Merced
G-67607-A1	Agricultural Tractor	Diesel	1980	60	Tier 0	2019	106	Tier 4 Phase In/Alt NOx	1700			10	Tulare
G-67652-A1	Cotton Picker	Diesel	1995	250	Tier 0	2018	560	Tier 4 Final	660			10	Merced
G-67652-A1	Cotton Picker	Diesel	2001	250	Tier 1								Merced
G-67659-A1	Agricultural Tractor	Diesel	1976	98	Tier 1	2019	123	Tier 4 Final	500			10	Fresno
G-67660-A1	Skid Loader	Diesel	2003	72	Tier 1	2018	74	Tier 4 Final	1000			10	Kings
G-67665-A1	Agricultural Tractor	Diesel	1981	98	Tier 0	2016	99	Tier 4 Final	160			10	Fresno
G-67738-A1	Wheel Loader	Diesel	2004	129	Tier 2	2019	157	Tier 4 Final	1500			10	Merced
G-67745-A1	Almond Harvester	Diesel	2000	175	Tier 1	2019	174	Tier 4 Final	350			10	Merced
G-67748-A1	Chopper	Diesel	2004	635	Tier 2	2018	956	Tier 4 Final	1000			10	Tulare
G-67749-A1	Agricultural Tractor	Diesel	1991	148	Tier 0	2018	118	Tier 4 Final	600			10	Kern
G-67753-A1	Shaker	Diesel	1993	100	Tier 0	2018	174	Tier 4 Final	600			10	Madera
G-67784-A1	Almond Sweeper	Diesel	1999	80	Tier 1	2018	142	Tier 4 Final	500			10	Fresno
G-67785-A1	Agricultural Tractor	Diesel	1993	81	Tier 0	2017	101	Tier 4 Final	150			10	Stanislaus
G-67830-A1	Forklift	Diesel	1996	62	Tier 0	2018	74	Tier 4 Final	800			10	Tulare
G-67839-A1	Back Hoe	Diesel	2002	95	Tier 1	2018	97	Tier 4 Final	1200			10	Kern
G-68037-A1	Swathers	Diesel	2006	80	Tier 1	2019	210	Tier 4 Final	700			10	Kern
G-68040-A1	Swathers	Diesel	2006	80	Tier 2	2019	210	Tier 4 Final	700			10	Kern
G-68041-A1	Swathers	Diesel	1999	108	Tier 1	2019	210	Tier 4 Final	700			10	Kern
G-68042-A1	Shaker	Diesel	1980	98	Tier 0	2018	174	Tier 4 Final	600			10	Tulare
G-68043-A1	Shaker	Diesel	1994	115	Tier 0	2018	174	Tier 4 Final	600			10	Tulare
G-68061-A1	Agricultural Tractor	Diesel	1984	97	Tier 0	2019	93	Tier 4 Final	80			10	Stanislaus
G-68092-A1	Agricultural Tractor	Diesel	1989	97	Tier 0	2017	119	Tier 4 Final	2000			10	Tulare
G-68093-A1	Agricultural Tractor	Diesel	1977	38	Tier 0	2018	60	Tier 4 Final	1100			10	Tulare
G-68136-A1	Swathers	Diesel	1980	67	Tier 0	2018	173	Tier 4 Final	900			10	Stanislaus
G-68232-A1	Agricultural Tractor	Diesel	2004	109	Tier 2	2019	114	Tier 4 Final	800			10	Fresno

Project Type Off-Road

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Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-68260-A1	Agricultural Tractor	Diesel	1988	97	Tier 0	2019	114	Tier 4 Final	156			10	Kern
G-68261-A1	Agricultural Tractor	Diesel	1985	140	Tier 0	2019	155	Tier 4 Final	150			10	Kern
G-68262-A1	Agricultural Tractor	Diesel	1987	102	Tier 0	2019	114	Tier 4 Final	105			10	Kern
G-68283-A1	Agricultural Tractor	Diesel	2002	90	Tier 1	2019	123	Tier 4 Final	500			10	Tulare
G-68537-A1	Back Hoe	Diesel	1998	78	Tier 1	2019	72	Tier 4 Interim	850			10	Kern
G-68547-A1	Agricultural Tractor	Diesel	1963	36	Tier 0	2019	52	Tier 4 Final	1100			10	Kern
G-68781-A1	Forklift	Diesel	1995	69	Tier 0	2018	74	Tier 4 Final	160			10	Fresno
G-68801-A1	Almond Shaker	Diesel	1996	125	Tier 0	2019	174	Tier 4 Final	1200			10	Tulare
G-68803-A1	Almond Shaker	Diesel	1997	125	Tier 1	2019	174	Tier 4 Final	1200			10	Tulare
G-68808-A1	Almond Shaker	Diesel	2006	130	Tier 2	2019	174	Tier 4 Final	1200			10	Tulare
G-68821-A1	Pistachio Harvester	Diesel	2007	99	Tier 2	2019	121	Tier 4 Final	600			10	Tulare
G-68909-A1	Agricultural Tractor	Diesel	2001	100	Tier 1	2019	115	Tier 4 Final	300			10	Fresno
G-68924-A1	Agricultural Tractor	Diesel	2005	86	Tier 2	2019	106	Tier 4 Phase In/Alt NOx	700			10	Fresno
G-68925-A1	Agricultural Tractor	Diesel	2001	88	Tier 1	2019	106	Tier 4 Phase In/Alt NOx	700			10	Fresno
G-69031-A1	Agricultural Tractor	Diesel	2004	462	Tier 2	2019	590	Tier 4 Final	500			10	San Joaquin
G-69032-A1	Agricultural Tractor	Diesel	1994	84	Tier 0	2018	114	Tier 4 Final	650			10	Kern
G-69155-A1	Cotton Picker	Diesel	2002	325	Tier 1	2019	560	Tier 4 Final	700			10	Kings
G-69155-A1	Cotton Picker	Diesel	2000	325	Tier 1								Kings
G-69159-A1	Cotton Picker	Diesel	2002	325	Tier 1	2018	560	Tier 4 Final	700			10	Kings
G-69159-A1	Cotton Picker	Diesel	2002	325	Tier 1								Kings
G-69163-A1	Cotton Picker	Diesel	2002	325	Tier 1	2019	560	Tier 4 Final	700			10	Kings
G-69163-A1	Cotton Picker	Diesel	2002	325	Tier 1								Kings
G-69167-A1	Cotton Picker	Diesel	2003	325	Tier 1	2018	560	Tier 4 Final	700			10	Kings
G-69167-A1	Cotton Picker	Diesel	2003	325	Tier 1								Kings
G-69174-A1	Cotton Picker	Diesel	2003	328	Tier 1	2019	560	Tier 4 Final	700			10	Kings
G-69174-A1	Cotton Picker	Diesel	2003	328	Tier 1								Kings
G-69176-A1	Cotton Picker	Diesel	2003	325	Tier 1	2019	560	Tier 4 Final	700			10	Kings
G-69176-A1	Cotton Picker	Diesel	2003	328	Tier 1								Kings
G-69209-A1	Shaker	Diesel	1999	115	Tier 1	2019	142	Tier 4 Final	600			10	Fresno
G-69213-A1	Pistachio Catcher	Diesel	2001	115	Tier 1	2019	115	Tier 4 Final	600			10	Fresno

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Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-69239-A1	Pistachio Catcher	Diesel	2002	115	Tier 1	2019	115	Tier 4 Final	600			10	Fresno
G-69240-A1	Shaker	Diesel	1996	115	Tier 0	2019	142	Tier 4 Final	600			10	Fresno
G-69300-A1	Wheel Loader	Diesel	1993	156	Tier 0	2019	153	Tier 4 Final	1200			10	Kings
G-69334-A1	Shaker	Diesel	2001	115	Tier 1	2019	142	Tier 4 Final	600			10	Fresno
G-69336-A1	Pistachio Catcher	Diesel	1996	110	Tier 0	2019	115	Tier 4 Final	600			10	Fresno
G-69529-A1	Agricultural Tractor	Diesel	1976	151	Tier 0	2019	123	Tier 4 Final	500			10	Fresno
G-69549-A1	Agricultural Tractor	Diesel	1973	58	Tier 0	2019	106	Tier 4 Phase In/Alt NOx	600			10	Fresno
G-69552-A1	Agricultural Tractor	Diesel	1998	310	Tier 1	2018	380	Tier 4 Final	1500			10	Kern
G-69599-A1	Almond Harvester	Diesel	2002	115	Tier 1	2019	174	Tier 4 Final	500			10	Kings
G-69621-A1	Chopper	Diesel	2010	800	Tier 2	2017	872	Tier 4 Final	800			10	Merced
G-69630-A1	Agricultural Tractor	Diesel	1977	151	Tier 0	2019	123	Tier 4 Final	500			10	Fresno
G-69722-A1	Agricultural Tractor	Diesel	2001	89	Tier 1	2018	106	Tier 4 Final	2100			10	Fresno
G-69724-A1	Agricultural Tractor	Diesel	2004	89	Tier 1	2018	106	Tier 4 Final	2100			10	Fresno
G-69725-A1	Agricultural Tractor	Diesel	1996	83	Tier 0	2018	106	Tier 4 Final	2100			10	Fresno
G-69858-A1	Agricultural Tractor	Diesel	1983	94	Tier 0	2019	106	Tier 4 Phase In/Alt NOx	250			10	Fresno
G-69873-A1	Agricultural Tractor	Diesel	1996	270	Tier 1	2019	281	Tier 4 Final	500			10	Kern
G-69903-A1	Agricultural Tractor	Diesel	2004	92	Tier 2	2019	106	Tier 4 Phase In/Alt NOx	800			10	Kern
G-69904-A1	Agricultural Tractor	Diesel	2007	92	Tier 2	2018	106	Tier 4 Phase In/Alt NOx	800			10	Kern
G-69931-A1	Agricultural Tractor	Diesel	2006	115	Tier 2	2019	99	Tier 4 Final	1000			10	Kern
G-69932-A1	Agricultural Tractor	Diesel	2005	115	Tier 2	2019	99	Tier 4 Final	1000			10	Kern
G-69933-A1	Agricultural Tractor	Diesel	1997	270	Tier 1	2018	114	Tier 4 Final	1000			10	Kern
G-69934-A1	Agricultural Tractor	Diesel	2003	477	Tier 2	2019	114	Tier 4 Final	1000			10	Kern
G-69935-A1	Agricultural Tractor	Diesel	2006	115	Tier 2	2019	99	Tier 4 Final	1000			10	Kern
G-69936-A1	Agricultural Tractor	Diesel	2005	115	Tier 2	2019	99	Tier 4 Final	1000			10	Kern
G-70265-A1	Tractor	Diesel	2005	115	Tier 2	2019	123	Tier 4 Final	500			10	Kern
G-70267-A1	Tractor	Diesel	2005	115	Tier 2	2018	123	Tier 4 Final	500			10	Kern
G-70270-A1	Tractor	Diesel	2005	115	Tier 2	2018	123	Tier 4 Final	500			10	Kern
G-70278-A1	Sweeper	Diesel	2005	80	Tier 2	2019	74	Tier 4 Final	400			10	Kern
G-70279-A1	Sweeper	Diesel	2005	80	Tier 2	2019	74	Tier 4 Final	400			10	Kern
G-70280-A1	Sweeper	Diesel	2005	80	Tier 2	2019	74	Tier 4 Final	400			10	Kern

Project Type Off-Road

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-70282-A1	Sweeper	Diesel	2005	80	Tier 2	2019	74	Tier 4 Final	400			10	Kern
G-70283-A1	Sweeper	Diesel	2005	80	Tier 2	2019	74	Tier 4 Final	400			10	Kern
G-70582-A1	Agricultural Tractor	Diesel	2004	109	Tier 2	2018	114	Tier 4 Final	1000			10	Merced
G-70787-A1	Tomato Harvester	Diesel	1996	200	Tier 1	2019	225	Tier 4 Final	750			10	Stanislaus
G-70792-A1	Cotton Picker	Diesel	1991	250	Tier 0	2019	560	Tier 4 Final	520			10	Kern
G-70792-A1	Cotton Picker	Diesel	1992	250	Tier 0								Kern
G-71156-A1	Cotton Picker	Diesel	2005	350	Tier 2	2019	560	Tier 4 Final	1050			10	Kings
G-71156-A1	Cotton Picker	Diesel	2005	350	Tier 2								Kings
G-71157-A1	Cotton Picker	Diesel	2005	350	Tier 2	2019	560	Tier 4 Final	1125			10	Kings
G-71157-A1	Cotton Picker	Diesel	2005	350	Tier 2								Kings
G-71157-A1	Cotton Picker	Diesel	2005	350	Tier 2								Kings
G-71660-A1	Forklift	Diesel	1987	57	Tier 0	2018	74	Tier 4 Final	500			10	Kern
G-71661-A1	Forklift	Diesel	1992	57	Tier 0	2018	74	Tier 4 Final	500			10	Kern
G-71664-A1	Forklift	Diesel	1987	57	Tier 0	2018	74	Tier 4 Final	500			10	Kern
G-71769-A1	Agricultural Tractor	Diesel	1998	98	Tier 1	2019	130	Tier 4 Final	500			10	Stanislaus
G-71774-A1	Windrower	Diesel	2003	88	Tier 1	2015	150	Tier 4 Final	400			10	Kern
G-71796-A1	Agricultural Tractor	Diesel	1991	120	Tier 0	2019	145	Tier 4 Final	1000			10	Kern
G-71871-A1	Tractor	Diesel	1996	60	Tier 0	2018	60	Tier 4 Final	1000			10	Kern
G-72061-A1	Agricultural Tractor	Diesel	1981	45	Tier 0	2019	73	Tier 4 Final	320			10	Tulare
G-72340-A1	Agricultural Tractor	Diesel	1960	90	Tier 0	2019	114	Tier 4 Final	150			10	Stanislaus
G-72470-A1	Agricultural Tractor	Diesel	1983	83	Tier 0	2017	115	Tier 4 Final	200			10	Kern
G-72472-A1	Agricultural Tractor	Diesel	1976	250	Tier 0	2019	123	Tier 4 Final	200			10	Kern
G-72493-A1	Agricultural Tractor	Diesel	2005	99	Tier 2	2019	90	Tier 4 Final	750			10	Fresno
G-72494-A1	Agricultural Tractor	Diesel	2006	109	Tier 2	2019	90	Tier 4 Final	750			10	Fresno
G-72609-A1	Cotton Harvester	Diesel	1994	225	Tier 0	2019	560	Tier 4 Final	650			10	Fresno
G-72609-A1	Cotton Harvester	Diesel	2002	325	Tier 1								Fresno
G-72620-A1	Shaker	Diesel	1988	121	Tier 0	2018	148	Tier 4 Final	350			10	Fresno
G-72621-A1	Agricultural Tractor	Diesel	1974	67	Tier 0	2019	106	Tier 4 Final	300			10	Merced
G-72694-A1	Agricultural Tractor	Diesel	2002	190	Tier 1	2019	256	Tier 4 Final	1200			10	Fresno
G-72695-A1	Agricultural Tractor	Diesel	2002	165	Tier 1	2019	256	Tier 4 Final	1200			10	Fresno

Project Type Off-Road

Description Vehicle Replacement

SJVAPCD Project Data 2020

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-72696-A1	Agricultural Tractor	Diesel	2002	215	Tier 1	2019	256	Tier 4 Final	1200			10	Fresno
G-72700-A1	Agricultural Tractor	Diesel	2002	215	Tier 1	2019	256	Tier 4 Final	1200			10	Fresno
G-72701-A1	Agricultural Tractor	Diesel	2002	215	Tier 1	2019	256	Tier 4 Final	1200			10	Fresno
G-72991-A1	Swathers	Diesel	1998	166	Tier 1	2020	235	Tier 4 Final	500			10	Fresno
G-73247-A1	Agricultural Tractor	Diesel	1975	151	Tier 0	2019	123	Tier 4 Final	400			10	Madera
G-73366-A1	Agricultural Tractor	Diesel	1989	72	Tier 0	2019	100	Tier 4 Final	175			10	Tulare
G-73368-A1	Almond Shaker	Diesel	1998	115	Tier 1	2019	174	Tier 4 Final	250			10	Kern
G-74008-A1	Agricultural Tractor	Diesel	1977	84	Tier 0	2018	108	Tier 4 Final	200			10	Fresno
G-74085-A1	Agricultural Tractor	Diesel	1964	115	Tier 0	2020	114	Tier 4 Final	400			10	Kern
G-74351-A2	Agricultural Tractor	Diesel	2004	102	Tier 2	2018	125	Tier 4 Final	1500			10	Kern
G-74391-A1	Almond Shaker	Diesel	2001	125	Tier 1	2019	174	Tier 4 Final	500			10	Kern
G-74393-A1	Almond Shaker	Diesel	2004	130	Tier 2	2019	174	Tier 4 Final	500			10	Kern
G-74396-A1	Almond Shaker	Diesel	2005	130	Tier 2	2019	174	Tier 4 Final	500			10	Kern
G-74398-A1	Almond Shaker	Diesel	2006	130	Tier 2	2019	174	Tier 4 Final	500			10	Kern
G-74870-A1	Agricultural Tractor	Diesel	1994	81	Tier 0	2019	106	Tier 4 Final	800			10	Stanislaus
G-74877-A1	Agricultural Tractor	Diesel	1978	100	Tier 0	2018	74	Tier 4 Final	300			10	Merced
G-74882-A1	Agricultural Tractor	Diesel	2007	95	Tier 2	2018	74	Tier 4 Final	300			10	Merced
G-74895-A1	Wheel Loader	Diesel	1997	145	Tier 1	2018	173	Tier 4 Final	1200			10	Kern
G-74912-A1	Chopper	Diesel	2000	449	Tier 1	2018	617	Tier 4 Final	800			10	Tulare
G-74916-A1	Agricultural Tractor	Diesel	1977	76	Tier 0	2019	73	Tier 4 Final	400			10	Stanislaus
G-75385-A1	Agricultural Tractor	Diesel	1993	68	Tier 0	2019	73	Tier 4 Final	300			10	Kern
G-75386-A1	Agricultural Tractor	Diesel	2005	207	Tier 2	2019	175	Tier 4 Final	600			10	Kern
G-75388-A1	Agricultural Tractor	Diesel	2001	200	Tier 1	2019	175	Tier 4 Final	600			10	Kern
G-75390-A1	Agricultural Tractor	Diesel	2001	200	Tier 1	2018	175	Tier 4 Final	600			10	Kern
G-75391-A1	Agricultural Tractor	Diesel	2000	200	Tier 1	2019	175	Tier 4 Final	600			10	Kern
G-75470-A1	Agricultural Tractor	Diesel	1972	47	Tier 0	2019	106	Tier 4 Phase In/Alt NOx	500			10	Tulare
G-75471-A1	Agricultural Tractor	Diesel	2007	92	Tier 2	2019	106	Tier 4 Phase In/Alt NOx	600			10	Tulare
G-75520-A1	Shaker	Diesel	1982	100	Tier 0	2018	148	Tier 4 Final	400			10	Fresno
G-75528-A1	Shaker	Diesel	1979	130	Tier 0	2018	148	Tier 4 Final	400			10	Fresno
G-75593-A1	Agricultural Tractor	Diesel	1991	95	Tier 0	2019	139	Tier 4 Final	486			10	Kern

Project Type Off-Road

SJVAPCD Project Data 2020

Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-75595-A1	Agricultural Tractor	Diesel	1995	120	Tier 0	2019	139	Tier 4 Final	580			10	Kern
G-75598-A1	Agricultural Tractor	Diesel	2001	118	Tier 1	2019	139	Tier 4 Final	722			10	Kern
G-75607-A1	Agricultural Tractor	Diesel	2001	118	Tier 1	2019	139	Tier 4 Final	720			10	Kern
G-75608-A1	Agricultural Tractor	Diesel	1995	110	Tier 0	2019	84	Tier 4 Final	535			10	Kern
G-75610-A1	Agricultural Tractor	Diesel	1996	102	Tier 0	2019	84	Tier 4 Final	585			10	Kern
G-75619-A1	Agricultural Tractor	Diesel	1990	97	Tier 0	2019	84	Tier 4 Final	689			10	Kern
G-75620-A1	Agricultural Tractor	Diesel	1996	102	Tier 0	2019	84	Tier 4 Final	477			10	Kern
G-75624-A1	Agricultural Tractor	Diesel	1996	102	Tier 0	2019	84	Tier 4 Final	500			10	Kern
G-75625-A1	Agricultural Tractor	Diesel	1995	110	Tier 0	2019	84	Tier 4 Final	774			10	Kern
G-75627-A1	Agricultural Tractor	Diesel	1995	110	Tier 0	2019	84	Tier 4 Final	746			10	Kern
G-75628-A1	Agricultural Tractor	Diesel	2003	117	Tier 2	2019	84	Tier 4 Final	890			10	Kern
G-75780-A1	Agricultural Tractor	Diesel	1997	310	Tier 1	2018	433	Tier 4 Final	750			10	San Joaquin
G-75863-A1	Wheel Loader	Diesel	1996	125	Tier 0	2018	157	Tier 4 Final	955			10	Merced
G-75977-A1	Agricultural Tractor	Diesel	2001	118	Tier 1	2019	139	Tier 4 Final	650			10	Kern
G-76088-A1	Agricultural Tractor	Diesel	1996	102	Tier 0	2019	106	Tier 4 Phase In/Alt NOx	600			10	Tulare
G-76095-A1	Agricultural Tractor	Diesel	2006	145	Tier 2	2019	139	Tier 4 Final	650			10	Kern
G-76186-A1	Almond Harvester	Diesel	2002	125	Tier 1	2018	174	Tier 4 Final	500			10	Fresno
G-76187-A1	Other Agricultural Equ	Diesel	2002	125	Tier 1	2019	142	Tier 4 Final	500			10	Fresno
G-76188-A1	Other Agricultural Equ	Diesel	2002	125	Tier 1	2019	142	Tier 4 Final	500			10	Fresno
G-76306-A1	Wheel Loader	Diesel	2005	153	Tier 2	2019	166	Tier 4 Final	1200			10	Tulare
G-76474-A1	Agricultural Tractor	Diesel	2005	99	Tier 2	2019	74	Tier 4 Final	1000			10	Fresno
G-76479-A1	Shaker	Diesel	2006	130	Tier 2	2019	148	Tier 4 Final	435			10	Fresno
G-76505-A1	Agricultural Tractor	Diesel	1984	102	Tier 0	2019	84	Tier 4 Final	500			10	Kern
G-76508-A1	Agricultural Tractor	Diesel	1995	60	Tier 0	2019	84	Tier 4 Final	633			10	Kern
G-76509-A1	Agricultural Tractor	Diesel	2004	89	Tier 2	2019	84	Tier 4 Final	700			10	Kern
G-76510-A1	Agricultural Tractor	Diesel	2002	84	Tier 1	2019	84	Tier 4 Final	749			10	Kern
G-76512-A1	Agricultural Tractor	Diesel	2002	110	Tier 1	2019	84	Tier 4 Final	658			10	Kern
G-76514-A1	Agricultural Tractor	Diesel	2000	104	Tier 1	2019	84	Tier 4 Final	631			10	Kern
G-76515-A1	Agricultural Tractor	Diesel	2004	89	Tier 2	2019	84	Tier 4 Final	633			10	Kern
G-76518-A1	Skid Loader	Diesel	1987	146	Tier 0	2019	225	Tier 4 Final	1440			10	Madera

Project Type Off-Road

SJVAPCD Project Data 2020

Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-76523-A1	Agricultural Tractor	Diesel	2001	109	Tier 1	2019	84	Tier 4 Final	789			10	Kern
G-76524-A1	Agricultural Tractor	Diesel	2004	135	Tier 2	2019	84	Tier 4 Final	535			10	Kern
G-76525-A1	Agricultural Tractor	Diesel	2004	89	Tier 2	2019	84	Tier 4 Final	566			10	Kern
G-76532-A1	Agricultural Tractor	Diesel	2003	117	Tier 2	2018	84	Tier 4 Final	693			10	Kern
G-76534-A1	Agricultural Tractor	Diesel	2004	89	Tier 2	2019	84	Tier 4 Final	748			10	Kern
G-76536-A1	Agricultural Tractor	Diesel	2004	145	Tier 2	2019	139	Tier 4 Final	600			10	Kern
G-76538-A1	Agricultural Tractor	Diesel	2002	113	Tier 1	2019	139	Tier 4 Final	540			10	Kern
G-76539-A1	Agricultural Tractor	Diesel	2004	145	Tier 2	2019	139	Tier 4 Final	550			10	Kern
G-76541-A1	Agricultural Tractor	Diesel	2003	145	Tier 2	2019	139	Tier 4 Final	625			10	Kern
G-76617-A1	Shaker	Diesel	2005	130	Tier 2	2019	148	Tier 4 Final	500			10	Kern
G-76618-A1	Shaker	Diesel	2006	155	Tier 2	2019	148	Tier 4 Final	500			10	Kern
G-76657-A1	Shaker	Diesel	2006	155	Tier 2	2019	148	Tier 4 Final	500			10	Kern
G-76847-A1	Agricultural Tractor	Diesel	1987	75	Tier 0	2019	106	Tier 4 Phase In/Alt NOx	600			10	Kern
G-76853-A1	Agricultural Tractor	Diesel	2005	89	Tier 2	2019	114	Tier 4 Final	2500			10	Fresno
G-76857-A1	Agricultural Tractor	Diesel	2005	89	Tier 2	2019	114	Tier 4 Final	2500			10	Fresno
G-77824-A1	Agricultural Tractor	Diesel	1997	102	Tier 1	2019	114	Tier 4 Final	400			10	Fresno
G-77946-A1	Almond Shaker	Diesel	1988	121	Tier 0	2018	148	Tier 4 Final	250			10	Fresno
G-77995-A1	Harvester	Diesel	2010	800	Tier 2	2018	956	Tier 4 Final	800			10	Stanislaus
G-78114-A1	Shaker	Diesel	2006	130	Tier 2	2019	148	Tier 4 Final	350			10	Tulare
G-78549-A1	Agricultural Tractor	Diesel	1979	186	Tier 0	2019	146	Tier 4 Final	700			10	Kern
G-78566-A1	Swathers	Diesel	2007	97	Tier 2	2019	260	Tier 4 Final	800			10	Kern
G-79550-A1	Agricultural Tractor	Diesel	2003	117	Tier 2	2019	84	Tier 4 Final	703			10	Kern
G-79563-A1	Agricultural Tractor	Diesel	1996	110	Tier 0	2019	84	Tier 4 Final	748			10	Kern
G-79599-A1	Agricultural Tractor	Diesel	1987	69	Tier 0	2019	84	Tier 4 Final	436			10	Kern
G-79600-A1	Agricultural Tractor	Diesel	1982	98	Tier 0	2019	84	Tier 4 Final	548			10	Kern
G-79853-A1	Agricultural Tractor	Diesel	1969	115	Tier 0	2019	123	Tier 4 Final	600			10	Fresno
G-80040-A1	Nut Sweeper	Diesel	2004	42	Tier 2	2017	74	Tier 4 Final	400			10	Fresno
G-80041-A1	Sweeper	Diesel	1986	40	Tier 0	2019	74	Tier 4 Final	250			10	Fresno
G-80562-A1	Wheel Loader	Diesel	1973	170	Tier 0	2019	307	Tier 4 Final	500			10	Stanislaus
G-82352-A1	Agricultural Tractor	Diesel	2002	215	Tier 2	2019	256	Tier 4 Final	1200			10	Fresno

Project Type Off-Road

SJVAPCD Project Data 2020

Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-84261-A1	Wheel Loader	Diesel	1991	157	Tier 0	2019	164	Tier 4 Final	3000			10	Merced
G-85058-A1	Swathers	Diesel	2005	185	Tier 2	2018	235	Tier 4 Final	800			10	Kern
G-86000-A1	Agricultural Tractor	Diesel	2007	105	Tier 2	2019	123	Tier 4 Final	800			10	Fresno
G-89491-A1	Cotton Harvester	Diesel	1991	250	Tier 0	2019	560	Tier 4 Final	550			10	Fresno
G-89491-A1	Cotton Harvester	Diesel	1995	250	Tier 0								Fresno
G-91234-A1	Agricultural Tractor	Diesel	2005	115	Tier 2	2019	99	Tier 4 Final	1200			10	Kern
G-91235-A1	Agricultural Tractor	Diesel	2005	115	Tier 2	2019	99	Tier 4 Final	1200			10	Kern

Project Type Off-Road

SJVAPCD Project Data 2020

Description Engine Repower

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-38423-1-A1	Dozer	Diesel	2000	305	Tier 1	2010	318	Tier 3	800			10	Merced
C-38770-1-A1	Crawler Tractor	Diesel	1999	140	Tier 1	2010	182	Tier 3	1500			3	Fresno
C-38770-2-A1	Crawler Tractor	Diesel	1989	165	Tier 0	2010	200	Tier 3	1500			3	Kings
C-38770-3-A1	Crawler Tractor	Diesel	1990	165	Tier 0	2010	200	Tier 3	1500			3	Kings
C-38770-4-A1	Crawler Tractor	Diesel	1995	180	Tier 0	2010	200	Tier 3	1500			3	Kings
C-38770-5-A1	Crawler Tractor	Diesel	1988	165	Tier 0	2010	200	Tier 3	1500			3	Fresno
C-38770-6-A1	Crawler Tractor	Diesel	1995	165	Tier 0	2019	200	Tier 3	1500			3	Kings
C-39126-11-A1	Scraper	Diesel	2004	490	Tier 2	2010	475	Tier 3	2200			3	Fresno
C-39126-12-A1	Scraper	Diesel	2004	490	Tier 2	2010	475	Tier 3	2200			3	Fresno
C-39126-13-A1	Scraper	Diesel	2004	490	Tier 2	2010	475	Tier 3	2200			3	Fresno
C-39126-14-A1	Scraper	Diesel	2004	490	Tier 2	2010	475	Tier 3	2200			3	Fresno
C-39126-15-A1	Scraper	Diesel	2004	490	Tier 2	2010	475	Tier 3	2200			3	Fresno
C-39126-16-A1	Scraper	Diesel	1979	450	Tier 0	2010	475	Tier 3	1500			3	Fresno
C-39126-17-A1	Scraper	Diesel	1978	450	Tier 0	2010	475	Tier 3	1500			3	Fresno
C-39126-18-A1	Scraper	Diesel	2004	490	Tier 2	2010	475	Tier 3	2200			3	Fresno
C-39126-19-A1	Scraper	Diesel	1978	450	Tier 0	2010	475	Tier 3	1500			3	Fresno
C-39126-1-A1	Scraper	Diesel	1983	450	Tier 0	2010	475	Tier 3	1500			3	Fresno
C-39126-20-A1	Scraper	Diesel	1977	450	Tier 0	2010	475	Tier 3	1500			3	Fresno
C-39126-22-A1	Scraper	Diesel	1976	450	Tier 0	2010	475	Tier 3	1500			3	Fresno
C-39126-23-A1	Scraper	Diesel	1976	450	Tier 0	2010	475	Tier 3	1500			3	Merced
C-39126-24-A1	Scraper	Diesel	2004	490	Tier 2	2010	475	Tier 3	2200			3	Fresno
C-39126-2-A1	Scraper	Diesel	1980	450	Tier 0	2019	475	Tier 3	1500			3	Merced
C-39126-4-A1	Scraper	Diesel	2004	490	Tier 2	2010	475	Tier 3	2200			3	Fresno
C-39126-5-A1	Scraper	Diesel	1978	450	Tier 0	2010	475	Tier 3	1500			3	Fresno
C-39126-6-A1	Scraper	Diesel	1979	450	Tier 0	2010	475	Tier 3	1500			3	Fresno
C-39126-7-A1	Scraper	Diesel	1980	450	Tier 0	2010	475	Tier 3	1500			3	Fresno
C-39126-8-A1	Scraper	Diesel	1980	450	Tier 0	2010	475	Tier 3	1500			3	Fresno
C-39126-9-A1	Scraper	Diesel	1979	450	Tier 0	2010	475	Tier 3	1500			3	Fresno
C-58394-1-A1	Excavator	Diesel	1991	542	Tier 0	2017	690	Tier 4 Final	1800			3	Fresno
C-58395-1-A1	Excavator	Diesel	1998	641	Tier 1	2017	690	Tier 4 Final	1600			2	Fresno
C-63226-1-A1	Scraper	Diesel	2004	360	Tier 2	2018	355	Tier 4 Final	1700			3	Kern
C-63231-1-A1	Scraper	Diesel	2004	360	Tier 2	2018	355	Tier 4 Final	2000			3	Kern

Project Type Off-Road

SJVAPCD Project Data 2020

Description Engine Repower

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-63234-1-A1	Scraper	Diesel	2004	360	Tier 2	2018	355	Tier 4 Final	1200			3	Kern
C-63255-1-A1	Scraper	Diesel	2004	360	Tier 2	2018	355	Tier 4 Final	1300			3	Kern
C-64338-1-A1	Other Agricultural	Diesel	1996	570	Tier 1	2010	579	Tier 3	1800			7	San Joaquin
G-67349-A1	Other Agricultural	Diesel	1991	520	Tier 0	2019	432	Tier 3	1000			7	Merced
G-75078-A1	Crawler Dozer	Diesel	1984	460	Tier 0	2010	410	Tier 3	1200			3	Fresno
G-75079-A1	Crawler Dozer	Diesel	1987	370	Tier 0	2010	365	Tier 3	1875			3	Fresno
G-75081-A1	Tractor	Diesel	1989	370	Tier 0	2010	365	Tier 3	1000			3	Fresno
G-75082-A1	Crawler Tractor	Diesel	1986	460	Tier 0	2010	410	Tier 3	1200			3	Fresno
G-75084-A1	Grader	Diesel	1997	150	Tier 1	2010	182	Tier 3	1400			3	Fresno

Project Type Ag Engine

Description Diesel to Diesel

SJVAPCD Project Data 2020

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-58715-1-A1	Irrigation Pump	Diesel	2010	173	Tier 3	2018	174	Tier 4 Final	2500			7	Fresno
C-64091-1-A1	Irrigation Pump	Diesel	2011	174	Tier 3	2018	174	Tier 4 Final	2000			7	Kings
C-64092-1-A1	Irrigation Pump	Diesel	2010	127	Tier 3	2018	174	Tier 4 Final	2000			7	Kings
C-64093-1-A1	Irrigation Pump	Diesel	2007	174	Tier 3	2018	174	Tier 4 Final	2000			7	Kings
C-64094-1-A1	Irrigation Pump	Diesel	2009	174	Tier 3	2018	174	Tier 4 Final	2000			7	Kings
C-64095-1-A1	Irrigation Pump	Diesel	2009	174	Tier 3	2018	174	Tier 4 Final	2000			7	Kings
C-64096-1-A1	Irrigation Pump	Diesel	2009	174	Tier 3	2018	174	Tier 4 Final	2000			7	Kings
C-64101-1-A1	Irrigation Pump	Diesel	2009	174	Tier 3	2018	174	Tier 4 Final	2000			7	Kings
C-64140-1-A1	Irrigation Pump	Diesel	2010	174	Tier 3	2018	174	Tier 4 Final	2000			7	Kings
C-64778-1-A1	Irrigation Pump	Diesel	2007	155	Tier 3	2018	140	Tier 4 Final	3000			7	Fresno
C-64780-1-A1	Irrigation Pump	Diesel	2007	155	Tier 3	2018	140	Tier 4 Final	3000			7	Fresno
C-64781-1-A1	Irrigation Pump	Diesel	2007	155	Tier 3	2018	130	Tier 4 Final	3000			7	Fresno
C-65113-1-A1	Irrigation Pump	Diesel	2010	115	Tier 3	2018	115	Tier 4 Final	5700			7	Kern

Project Type Ag Engine

Description Diesel to Electric

SJVAPCD Project Data 2020

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-64661-1-A1	Irrigation Pump	Diesel	2010	385	Tier 3	2018	300		1500			10	Kern

Project Type Locomotive

Description Replacement

SJVAPCD Project Data 2020

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-52711-1A	Switcher (Locomotive)	Diesel	1984	3300	Tier 0	2018	2414	Tier 4 Final			26673	15	San Joaquin
C-52712-1A	Switcher (Locomotive)	Diesel	1963	1350	Tier 0	2017	1050	Tier 4 Final			15500	15	San Joaquin
C-56713-1-A	Switcher (Locomotive)	Diesel	1964	1800	Tier 0	2018	2414	Tier 4 Final			16724	15	Kern
C-56714-1-A	Switcher (Locomotive)	Diesel	1964	1800	Tier 0	2018	2414	Tier 4 Final			21766	15	Kern
C-56715-1-A	Switcher (Locomotive)	Diesel	1964	1800	Tier 0	2019	2414	Tier 4 Final			20386	15	Kern
C-56716-1-A	Switcher (Locomotive)	Diesel	1977	2000	Tier 0	2018	2414	Tier 4 Final			20386	15	Kern

Project Type Locomotive

SJVAPCD Project Data 2020

Description Engine Repower

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-54665-1A	Passenger	Diesel	1997	3200		2019	4400	Tier 4 Final			68800	20	San Joaquin
C-54665-2A	Passenger	Diesel	2006	3000		2019	4400	Tier 4 Final			68800	20	San Joaquin

Project Type On-Road Prop 1B

SJVAPCD Project Data 2020

Description Vehicle Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-44412-1A	Agricultural	Diesel	2008	450		2018	400			84934		5	Fresno
C-55906-1A	General On-Road Heavy Duty	Diesel	1999	370		2018	320			45360		5	San Joaquin
C-55907-1A	General On-Road Heavy Duty	Diesel	1999	280		2018	320			100740		5	San Joaquin
C-55908-1A	General On-Road Heavy Duty	Diesel	2000	455		2018	320			38590		5	San Joaquin
C-55910-1A	General On-Road Heavy Duty	Diesel	2000	330		2018	320			26455		5	San Joaquin
C-55911-1A	General On-Road Heavy Duty	Diesel	2000	330		2018	320			31360		5	San Joaquin
C-55989-1A	General On-Road Heavy Duty	Diesel	2006	370		2018	320			82866		5	San Joaquin
C-55994-1A	General On-Road Heavy Duty	Diesel	2006	370		2018	320			62417		5	San Joaquin
C-56034-1A	General On-Road Heavy Duty	Diesel	2006	370		2018	320			55749		5	San Joaquin
C-56404-1A	Long Haul Trucking	Diesel	1999	500		2019	400			110639		5	Kern
C-56562-1A	Other	Diesel	2004	450		2018	400			26700		5	Fresno

Project Type Prop 1B

SJVAPCD Project Data 2020

Description Locomotive Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
C-56766-1-A1	Line Haul	Diesel	2005	4400	Tier 2	2019	4400	Tier 4 Final			173785	15	Fresno
C-56768-1-A1	Line Haul	Diesel	2005	4400	Tier 2	2019	4400	Tier 4 Final			173785	15	Fresno
C-56769-1-A1	Line Haul	Diesel	2005	4400	Tier 2	2019	4400	Tier 4 Final			173785	15	Fresno
C-56770-1-A1	Line Haul	Diesel	2005	4400	Tier 2	2019	4400	Tier 4 Final			173785	15	Fresno

Project Type On-Road

Description Ag Truck Replacement

SJVAPCD Project Data 2020

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-68990-A	Agricultural	Diesel	2007	370		2018	370			29309		3	San Joaquin
G-68962-A	Agricultural	Diesel	2007	370		2018	370			28164		3	San Joaquin
G-68899-A	Agricultural	Diesel	2007	370		2018	370			36315		3	San Joaquin
G-68953-A	Agricultural	Diesel	2007	370		2018	370			35393		3	San Joaquin
G-68910-A	Agricultural	Diesel	2007	370		2018	370			16352		3	San Joaquin
G-70798-A	Agricultural	Diesel	1997	330		2014	450			79454		3	Fresno
G-69890-A	Agricultural	Diesel	1998	330		2014	450			23039		3	Fresno
G-69878-A	Agricultural	Diesel	1998	330		2014	450			27247		3	Fresno
G-70801-A	Agricultural	Diesel	1998	330		2014	450			20647		3	Fresno
G-70793-A	Agricultural	Diesel	2007	338		2014	500			13259		3	Fresno
G-69886-A	Agricultural	Diesel	2007	338		2014	450			23760		3	Fresno
G-69887-A	Agricultural	Diesel	2007	338		2014	450			20523		3	Fresno
G-69884-A	Agricultural	Diesel	2007	338		2014	450			22318		3	Fresno
G-69881-A	Agricultural	Diesel	2007	338		2014	450			21850		3	Fresno
G-69889-A	Agricultural	Diesel	2007	338		2014	450			7324		3	Fresno
G-68972-A	Agricultural	Diesel	2007	370		2019	370			31786		3	San Joaquin
G-68965-A	Agricultural	Diesel	2007	370		2018	370			30158		3	San Joaquin
G-68956-A	Agricultural	Diesel	2007	370		2018	370			28337		3	San Joaquin
G-68906-A	Agricultural	Diesel	2007	370		2018	370			30750		3	San Joaquin
G-68968-A	Agricultural	Diesel	2007	370		2018	370			35328		3	San Joaquin
G-68959-A	Agricultural	Diesel	2007	370		2018	370			24631		3	San Joaquin
G-70082-A	Agricultural	Diesel	2000	330		2014	425			859		3	San Joaquin
G-70185-A	Agricultural	Diesel	2002	380		2018	425			225		3	Merced
G-70062-A	Agricultural	Diesel	2003	350		2018	425			943		3	Stanislaus
G-70474-A	Agricultural	Diesel	2002	355		2018	425			2539		3	Merced
G-70271-A	Agricultural	Diesel	1988	550		2019	605			252		3	Madera
G-70266-A	Agricultural	Diesel	2000	475		2019	565			5862		3	Madera
G-71779-A	Agricultural	Diesel	2000	355		2017	525			12657		3	Fresno
G-71778-A	Agricultural	Diesel	1990	300		2017	525			1050		3	Fresno
G-71008-A	Agricultural	Diesel	1990	180		2018	200			6242		3	Fresno
G-70669-A	Agricultural	Diesel	2002	350		2013	380			4899		3	San Joaquin
G-70668-A	Agricultural	Diesel	2000	330		2013	380			1998		3	San Joaquin

Project Type On-Road

SJVAPCD Project Data 2020

Description Ag Truck Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-70655-A	Agricultural	Diesel	1995	310		2013	380			3518		3	San Joaquin
G-70660-A	Agricultural	Diesel	1995	310		2013	380			953		3	San Joaquin
G-70657-A	Agricultural	Diesel	1995	310		2013	455			1601		3	San Joaquin
G-70653-A	Agricultural	Diesel	1994	350		2013	380			3296		3	San Joaquin
G-70650-A	Agricultural	Diesel	1987	350		2013	380			287		3	San Joaquin
G-70447-A	Agricultural	Diesel	1988	350		2019	330			589		3	San Joaquin
G-70446-A	Agricultural	Diesel	1988	350		2019	330			340		3	San Joaquin
G-70671-A	Agricultural	Diesel	2003	355		2019	455			3691		3	Stanislaus
G-70670-A	Agricultural	Diesel	2003	355		2019	455			7997		3	Stanislaus
G-71026-A	Agricultural	Diesel	1993	330		2014	350			12286		3	Stanislaus
G-66306-A	Agricultural	Diesel	2006	455		2019	450			22127		3	Stanislaus
G-70871-A	Agricultural	Diesel	1995	275		2019	350			3767		3	Stanislaus
G-70867-A	Silage Truck	Diesel	1995	275		2019	350			6438		3	Stanislaus
G-71012-A	Agricultural	Diesel	1996	370		2019	455			23661		3	Fresno
G-71015-A	Agricultural	Diesel	1998	350		2019	455			32925		3	Fresno
G-70862-A	Agricultural	Diesel	1992	270		2019	350			3743		3	Stanislaus
G-70139-A	Agricultural	Diesel	1990	400		2019	450			7552		3	Stanislaus
G-70140-A	Agricultural	Diesel	1991	370		2019	450			5728		3	Stanislaus
G-70788-A	Agricultural	Diesel	1998	305		2019	450			775		3	Merced
G-70782-A	Agricultural	Diesel	1997	280		2019	450			4710		3	Merced
G-70784-A	Agricultural	Diesel	1997	280		2019	450			6477		3	Merced
G-71022-A	Agricultural	Diesel	2000	425		2014	350			10820		3	Stanislaus
G-70086-A	Agricultural	Diesel	2007	475		2019	400			4037		3	Stanislaus
G-70779-A	Agricultural	Diesel	1999	370		2019	450			424		3	Merced
G-70790-A	Agricultural	Diesel	1998	350		2019	450			1241		3	Merced
G-71187-A	Agricultural	Diesel	1988	400		2019	485			2482		3	Merced
G-70095-A	Agricultural	Diesel	1990	325		2019	400			9306		3	Stanislaus
G-70780-A	Agricultural	Diesel	2009	485		2019	450			10793		3	Merced
G-71295-A	Agricultural	Diesel	1989	400		2019	525			9533		3	Merced
G-71291-A	Agricultural	Diesel	1989	400		2020	525			10000		3	Merced
G-70778-A	Agricultural	Diesel	2001	370		2019	450			9900		3	Merced
G-70783-A	Agricultural	Diesel	2002	370		2019	450			7719		3	Merced

Project Type On-Road

Description Ag Truck Replacement

SJVAPCD Project Data 2020

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-70103-A	Agricultural	Diesel	2005	325		2019	330			13060		3	San Joaquin
G-70002-A	Agricultural	Diesel	1991	350		2019	450			207		3	Tulare
G-70097-A	Agricultural	Diesel	1995	350		2019	500			8303		3	San Joaquin
G-70102-A	Agricultural	Diesel	1995	470		2019	500			1043		3	San Joaquin
G-66303-A	Agricultural	Diesel	2006	250		2019	330			6144		3	Stanislaus
G-70136-A	Agricultural	Diesel	1995	300		2019	370			13910		3	Stanislaus
G-70137-A	Agricultural	Diesel	1990	300		2019	370			11998		3	Stanislaus
G-70004-A	Agricultural	Diesel	1990	300		2019	370			13623		3	Stanislaus
G-70134-A	Agricultural	Diesel	1990	300		2019	370			16220		3	Stanislaus
G-70010-A	Agricultural	Diesel	1990	300		2019	370			12637		3	Stanislaus
G-70135-A	Agricultural	Diesel	1990	300		2019	370			15592		3	Stanislaus
G-70138-A	Agricultural	Diesel	1990	300		2019	370			8936		3	Stanislaus
G-69975-A	Agricultural	Diesel	1990	300		2019	370			12122		3	Stanislaus
G-70879-A	Agricultural	Diesel	2002	550		2019	565			14296		3	Stanislaus
G-70711-A	Agricultural	Diesel	1983	400		2019	450			7397		3	Kings
G-70717-A	Agricultural	Diesel	1978	210		2019	450			107		3	Kings
G-71142-A	Agricultural	Diesel	1994	350		2013	350			9309		3	Stanislaus
G-71144-A	Agricultural	Diesel	1993	330		2014	350			3489		3	Stanislaus
G-71148-A	Agricultural	Diesel	1995	370		2014	350			10000		3	Stanislaus
G-70785-A	Agricultural	Diesel	2001	370		2019	450			8125		3	Merced
G-70781-A	Agricultural	Diesel	2009	485		2019	450			12834		3	Merced
G-73596-A	Agricultural	Diesel	1996	370		2018	350			8332		3	Stanislaus
G-71332-A	Agricultural	Diesel	2001	370		2018	350			9370		3	Stanislaus
G-71704-A	Agricultural	Diesel	1998	300		2019	375			616		3	Merced
G-71699-A	Agricultural	Diesel	1998	300		2019	375			1002		3	Merced
G-71702-A	Agricultural	Diesel	1999	410		2019	375			6640		3	Merced
G-71471-A	Agricultural	Diesel	1993	425		2019	525			649		3	Merced
G-71472-A	Agricultural	Diesel	1999	410		2019	565			8521		3	Merced
G-71239-A	Agricultural	Diesel	2001	380		2019	455			10000		3	Merced
G-71188-A	Agricultural	Diesel	2004	391		2019	455			10000		3	Merced
G-71238-A	Agricultural	Diesel	1998	370		2019	455			10000		3	Merced
G-71242-A	Agricultural	Diesel	1998	370		2019	455			10000		3	Merced

Project Type On-Road

SJVAPCD Project Data 2020

Description Ag Truck Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-71335-A	Agricultural	Diesel	2005	466		2019	500			5832		3	San Joaquin
G-71705-A	Agricultural	Diesel	1999	430		2020	450			102540		3	Merced
G-71300-A	Agricultural	Diesel	2000	300		2015	350			9548		3	Stanislaus
G-71442-A	Agricultural	Diesel	1995	330		2014	350			10000		3	Stanislaus

Project Type Off-Road

SJVAPCD Project Data 2020

Description Ag UTV Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-68552-A1	Ag UTV	Gasoline	1994	28	Uncontrolled Technology	2019	30		1680			5	Tulare
G-68553-A1	Ag UTV	Gasoline	1994	20	Uncontrolled Technology	2019	30		1680			5	Tulare
G-68554-A1	Ag UTV	Gasoline	1998	15	Uncontrolled Technology	2019	30		1680			5	Tulare
G-68652-A1	Ag UTV	Diesel	2010	21	Tier 4 Interim	2019	30		700			5	Fresno
G-68767-A1	Ag UTV	Gasoline	2002	22	Uncontrolled Technology	2018	5		2080			5	Fresno
G-68874-A1	Ag UTV	Gasoline	1998	10	Uncontrolled Technology	2019	30		400			5	Fresno
G-68880-A1	Ag UTV	Gasoline	2011	10	Control Technology	2019	30		400			5	Fresno
G-68888-A1	Ag UTV	Gasoline	2006	10	Control Technology	2019	30		400			5	Fresno
G-68941-A1	Ag UTV	Gasoline	2002	21	Uncontrolled Technology	2019	30		400			5	Fresno
G-68943-A1	Ag UTV	Gasoline	2009	16	Control Technology	2019	30		400			5	Fresno
G-69106-A1	Ag UTV	Gasoline	2006	39	Control Technology	2019	30		700			5	Fresno
G-69127-A1	Ag UTV	Gasoline	2006	14	Control Technology	2019	30		700			5	Fresno
G-69332-A1	Ag UTV	Gasoline	1986	10	Uncontrolled Technology	2019	6		1000			5	San Joaquin
G-69337-A1	Ag UTV	Gasoline	2001	10	Uncontrolled Technology	2019	6		1000			5	San Joaquin
G-69342-A1	Ag UTV	Gasoline	2017	13	Control Technology	2019	6		1000			5	San Joaquin
G-69345-A1	Ag UTV	Gasoline	2009	10	Control Technology	2019	6		1000			5	San Joaquin
G-69350-A1	Ag UTV	Gasoline	1986	10	Uncontrolled Technology	2019	6		1000			5	San Joaquin
G-69508-A1	Ag UTV	Gasoline	2012	18	Control Technology	2019	6		1200			5	Fresno
G-69511-A1	Ag UTV	Gasoline	2004	18	Control Technology	2019	6		1200			5	Fresno
G-69512-A1	Ag UTV	Gasoline	2012	18	Control Technology	2019	6		1200			5	Fresno
G-69514-A1	Ag UTV	Gasoline	2004	18	Control Technology	2019	6		1200			5	Fresno
G-69521-A1	Ag UTV	Gasoline	1992	10	Uncontrolled Technology	2019	30		300			5	Fresno
G-69522-A1	Ag UTV	Gasoline	2005	20	Control Technology	2019	6		250			5	Fresno
G-69597-A1	Ag UTV	Gasoline	1992	9	Uncontrolled Technology	2019	30		500			5	Fresno
G-69628-A1	Ag UTV	Gasoline	2011	50	Control Technology	2019	6		1000			5	Fresno
G-69688-A1	Ag UTV	Gasoline	2012	15	Control Technology	2019	6		700			5	Fresno
G-69707-A1	Ag UTV	Gasoline	2002	23	Uncontrolled Technology	2019	30		1000			5	Kern
G-69708-A1	Ag UTV	Diesel	2006	22	Tier 2	2019	30		1000			5	Kern
G-69788-A1	Ag UTV	Diesel	2004	18	Tier 1	2019	30		520			5	Fresno
G-69906-A1	Ag UTV	Gasoline	1982	13	Uncontrolled Technology	2019	30		200			5	Fresno
G-69913-A1	Ag UTV	Gasoline	1992	15	Uncontrolled Technology	2019	30		200			5	Fresno
G-70077-A1	Ag UTV	Gasoline	2013	15	Control Technology	2019	30		350			5	San Joaquin
G-70131-A1	Ag UTV	Diesel	2013	22	Tier 4 Interim	2019	30		500			5	Tulare

Project Type Off-Road

SJVAPCD Project Data 2020

Description Ag UTV Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-70144-A1	Ag UTV	Gasoline	2010	22	Control Technology	2019	30		500			5	Merced
G-70148-A1	Ag UTV	Diesel	2012	22	Tier 4 Interim	2019	30		500			5	Merced
G-70149-A1	Ag UTV	Diesel	2013	22	Tier 4 Interim	2019	30		500			5	Merced
G-70152-A1	Ag UTV	Diesel	2010	22	Tier 4 Interim	2019	30		500			5	Tulare
G-70154-A1	Ag UTV	Diesel	2010	22	Tier 4 Interim	2019	30		500			5	Tulare
G-70157-A1	Ag UTV	Diesel	2005	22	Tier 2	2019	30		500			5	Tulare
G-70160-A1	Ag UTV	Diesel	2010	22	Tier 4 Interim	2019	30		500			5	Tulare
G-70163-A1	Ag UTV	Gasoline	2003	50	Uncontrolled Technology	2019	30		500			5	Tulare
G-70166-A1	Ag UTV	Diesel	2011	22	Tier 4 Interim	2019	30		500			5	Tulare
G-70167-A1	Ag UTV	Diesel	2011	22	Tier 4 Interim	2019	30		500			5	Tulare
G-70248-A1	Ag UTV	Gasoline	1994	29	Uncontrolled Technology	2019	30		320			5	San Joaquin
G-70293-A1	Ag UTV	Gasoline	2007	10	Control Technology	2020	38		650			5	Kern
G-70401-A1	Ag UTV	Gasoline	2005	30	Control Technology	2019	30		450			5	Merced
G-70574-A1	Ag UTV	Gasoline	1986	4	Uncontrolled Technology	2019	30		500			5	Kings
G-70766-A1	Ag UTV	Gasoline	2007	20	Control Technology	2019	6		220			5	Fresno
G-71230-A1	Ag UTV	Gasoline	2004	30	Control Technology	2019	6		200			5	Fresno
G-71273-A1	Ag UTV	Diesel	2010	21	Tier 4 Interim	2019	6		800			5	Fresno
G-71504-A1	Ag UTV	Gasoline	1999	18	Uncontrolled Technology	2019	30		1500			5	Tulare
G-71526-A1	Ag UTV	Gasoline	1988	5	Uncontrolled Technology	2019	22		250			5	Merced
G-71530-A1	Ag UTV	Gasoline	1986	12	Uncontrolled Technology	2019	30		350			5	Fresno
G-71629-A1	Ag UTV	Gasoline	2004	10	Control Technology	2019	30		1700			5	Tulare
G-71759-A1	Ag UTV	Diesel	2009	22	Tier 4 Interim	2019	30		1025			5	Stanislaus
G-71908-A1	Ag UTV	Gasoline	2007	46	Control Technology	2019	30		730			5	Kings
G-71932-A1	Ag UTV	Gasoline	1993	19	Uncontrolled Technology	2019	6		300			5	Fresno
G-71963-A1	Ag UTV	Gasoline	2006	19	Control Technology	2019	30		400			5	Tulare
G-72022-A1	Ag UTV	Gasoline	2011	37	Control Technology	2019	30		400			5	Stanislaus
G-72308-A1	Ag UTV	Gasoline	2007	46	Control Technology	2019	30		400			5	Fresno
G-72312-A1	Ag UTV	Gasoline	2011	22	Control Technology	2019	30		1700			5	Merced
G-72316-A1	Ag UTV	Diesel	2005	13	Tier 2	2019	30		1700			5	Merced
G-72317-A1	Ag UTV	Gasoline	2013	28	Control Technology	2019	30		1700			5	Merced
G-72324-A1	Ag UTV	Gasoline	2005	20	Control Technology	2019	30		900			5	Tulare
G-72368-A1	Ag UTV	Gasoline	2008	30	Control Technology	2019	30		58			5	Stanislaus
G-72382-A1	Ag UTV	Gasoline	1995	16	Uncontrolled Technology	2019	30		400			5	Merced

Project Type Off-Road

SJVAPCD Project Data 2020

Description Ag UTV Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-72435-A1	Ag UTV	Gasoline	1998	23	Uncontrolled Technology	2019	6		150			5	Fresno
G-72579-A1	Ag UTV	Gasoline	1994	14	Uncontrolled Technology	2019	6		200			5	Tulare
G-72582-A1	Ag UTV	Gasoline	2010	19	Control Technology	2019	30		1500			5	Kern
G-72584-A1	Ag UTV	Gasoline	2007	12	Control Technology	2019	30		1500			5	Kern
G-72628-A1	Ag UTV	Gasoline	1985	8	Uncontrolled Technology	2019	30		1200			5	Stanislaus
G-72645-A1	Ag UTV	Gasoline	2005	13	Control Technology	2019	30		285			5	San Joaquin
G-72655-A1	Ag UTV	Gasoline	1987	11	Uncontrolled Technology	2019	30		250			5	San Joaquin
G-72657-A1	Ag UTV	Gasoline	2005	30	Control Technology	2019	30		350			5	San Joaquin
G-72703-A1	Ag UTV	Gasoline	1992	13	Uncontrolled Technology	2019	38		450			5	Kern
G-72706-A1	Ag UTV	Gasoline	1985	11	Uncontrolled Technology	2019	7		450			5	Kern
G-72708-A2	Ag UTV	Diesel	2013	22	Tier 4 Final	2019	30		2016			5	Stanislaus
G-72709-A1	Ag UTV	Gasoline	2006	13	Control Technology	2019	6		200			5	Merced
G-72718-A1	Ag UTV	Gasoline	1998	10	Uncontrolled Technology	2019	22		2080			5	Stanislaus
G-72723-A1	Ag UTV	Gasoline	1998	10	Uncontrolled Technology	2019	22		2080			5	Stanislaus
G-72779-A1	Ag UTV	Gasoline	1986	18	Uncontrolled Technology	2019	5		400			5	Fresno
G-72781-A1	Ag UTV	Gasoline	1986	9	Uncontrolled Technology	2019	5		400			5	Fresno
G-72834-A1	Ag UTV	Gasoline	2014	16	Control Technology	2019	6		1500			5	Kern
G-72837-A1	Ag UTV	Gasoline	2008	26	Control Technology	2019	6		1500			5	Kern
G-72838-A1	Ag UTV	Gasoline	2012	16	Control Technology	2019	6		1500			5	Kern
G-72841-A1	Ag UTV	Gasoline	2009	16	Control Technology	2019	6		1500			5	Kern
G-72890-A1	Ag UTV	Diesel	2003	19	Tier 1	2019	30		350			5	San Joaquin
G-72955-A1	Ag UTV	Gasoline	2005	9	Control Technology	2019	30		250			5	San Joaquin
G-72960-A1	Ag UTV	Gasoline	1997	9	Uncontrolled Technology	2019	30		350			5	Madera
G-72961-A1	Ag UTV	Gasoline	1984	13	Uncontrolled Technology	2019	30		400			5	San Joaquin
G-73018-A1	Ag UTV	Gasoline	1998	29	Uncontrolled Technology	2019	6		200			5	Kings
G-73032-A1	Ag UTV	Gasoline	2011	8	Control Technology	2019	6		200			5	Tulare
G-73033-A1	Ag UTV	Diesel	2004	24	Tier 1	2019	5		350			5	Kings
G-73035-A1	Ag UTV	Gasoline	2002	30	Uncontrolled Technology	2019	30		100			5	Tulare
G-73071-A1	Ag UTV	Gasoline	2002	14	Uncontrolled Technology	2019	6		1872			5	Fresno
G-73095-A1	Ag UTV	Gasoline	1980	13	Uncontrolled Technology	2019	30		200			5	Merced
G-73103-A1	Ag UTV	Gasoline	2006	14	Control Technology	2019	6		600			5	Fresno
G-73111-A1	Ag UTV	Gasoline	2005	7	Control Technology	2019	40		1040			5	Tulare
G-73116-A1	Ag UTV	Gasoline	1999	14	Uncontrolled Technology	2019	30		100			5	San Joaquin

Project Type Off-Road

Description Ag UTV Replacement

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-73120-A1	Ag UTV	Gasoline	2013	13	Control Technology	2019	30		600			5	Fresno
G-73130-A1	Ag UTV	Gasoline	2006	10	Control Technology	2019	30		1000			5	San Joaquin
G-73143-A1	Ag UTV	Gasoline	2003	18	Uncontrolled Technology	2019	30		1000			5	San Joaquin
G-73144-A1	Ag UTV	Gasoline	2003	10	Uncontrolled Technology	2019	30		1000			5	San Joaquin
G-73149-A1	Ag UTV	Gasoline	1983	9	Uncontrolled Technology	2019	30		100			5	Stanislaus
G-73155-A1	Ag UTV	Gasoline	2006	20	Control Technology	2019	30		550			5	San Joaquin
G-73173-A1	Ag UTV	Gasoline	1983	8	Uncontrolled Technology	2020	30		300			5	Merced
G-73174-A1	Ag UTV	Gasoline	2000	15	Uncontrolled Technology	2018	8		400			5	Tulare
G-73175-A1	Ag UTV	Gasoline	2010	3	Control Technology	2019	6		150			5	Madera
G-73177-A1	Ag UTV	Gasoline	1986	12	Uncontrolled Technology	2019	30		400			5	Tulare
G-73178-A1	Ag UTV	Gasoline	2004	16	Control Technology	2019	30		400			5	San Joaquin
G-73260-A1	Ag UTV	Gasoline	1992	10	Uncontrolled Technology	2019	30		300			5	San Joaquin
G-73266-A1	Ag UTV	Gasoline	2001	15	Uncontrolled Technology	2019	30		300			5	San Joaquin
G-73268-A1	Ag UTV	Gasoline	2000	27	Uncontrolled Technology	2019	30		300			5	San Joaquin
G-73272-A1	Ag UTV	Gasoline	2002	10	Uncontrolled Technology	2019	6		1200			5	Fresno
G-73275-A1	Ag UTV	Gasoline	2004	10	Control Technology	2019	6		400			5	Fresno
G-73280-A1	Ag UTV	Gasoline	2009	15	Control Technology	2019	30		384			5	Fresno
G-73284-A1	Ag UTV	Gasoline	1994	10	Uncontrolled Technology	2019	6		200			5	Fresno
G-73299-A1	Ag UTV	Gasoline	2001	33	Uncontrolled Technology	2019	30		250			5	San Joaquin
G-73302-A1	Ag UTV	Gasoline	2004	6	Control Technology	2019	30		200			5	San Joaquin
G-73318-A1	Ag UTV	Gasoline	1988	14	Uncontrolled Technology	2018	38		500			5	Merced
G-73319-A1	Ag UTV	Gasoline	2004	10	Uncontrolled Technology	2018	38		500			5	Merced
G-73321-A1	Ag UTV	Gasoline	1996	20	Uncontrolled Technology	2018	38		500			5	Merced
G-73323-A1	Ag UTV	Gasoline	2006	20	Control Technology	2019	30		300			5	San Joaquin
G-73327-A1	Ag UTV	Gasoline	2002	7	Uncontrolled Technology	2019	30		310			5	San Joaquin
G-73338-A1	Ag UTV	Gasoline	2004	10	Uncontrolled Technology	2018	38		500			5	Merced
G-73339-A1	Ag UTV	Gasoline	1986	15	Uncontrolled Technology	2019	38		500			5	Merced
G-73353-A1	Ag UTV	Gasoline	2004	10	Control Technology	2019	6		60			5	Tulare
G-73362-A1	Ag UTV	Gasoline	2003	19	Uncontrolled Technology	2019	30		550			5	San Joaquin
G-73365-A1	Ag UTV	Gasoline	1986	13	Uncontrolled Technology	2019	30		480			5	Stanislaus
G-73379-A1	Ag UTV	Gasoline	2000	78	Uncontrolled Technology	2019	30		300			5	Stanislaus
G-73380-A1	Ag UTV	Gasoline	1995	9	Uncontrolled Technology	2019	30		100			5	Stanislaus
G-73386-A1	Ag UTV	Gasoline	1995	9	Uncontrolled Technology	2019	30		100			5	Stanislaus

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Description Ag UTV Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-73405-A1	Ag UTV	Gasoline	1996	36	Uncontrolled Technology	2019	30		500			5	San Joaquin
G-73415-A1	Ag UTV	Gasoline	2002	35	Uncontrolled Technology	2019	30		300			5	San Joaquin
G-73613-A1	Ag UTV	Gasoline	1980	13	Uncontrolled Technology	2019	15		350			5	Fresno
G-73615-A1	Ag UTV	Gasoline	1984	14	Uncontrolled Technology	2019	30		300			5	Stanislaus
G-73616-A1	Ag UTV	Gasoline	2012	27	Control Technology	2019	30		780			5	Stanislaus
G-73617-A1	Ag UTV	Gasoline	1984	10	Uncontrolled Technology	2020	30		600			5	Stanislaus
G-73618-A1	Ag UTV	Gasoline	2007	17	Control Technology	2019	30		780			5	Stanislaus
G-73619-A1	Ag UTV	Gasoline	2011	54	Control Technology	2019	30		780			5	Stanislaus
G-73622-A1	Ag UTV	Gasoline	2000	10	Uncontrolled Technology	2019	30		600			5	Fresno
G-73623-A1	Ag UTV	Gasoline	1989	7	Uncontrolled Technology	2019	30		100			5	Stanislaus
G-73625-A1	Ag UTV	Diesel	2010	16	Tier 4 Interim	2019	30		700			5	Stanislaus
G-73627-A1	Ag UTV	Gasoline	1982	13	Uncontrolled Technology	2019	6		350			5	Fresno
G-73629-A1	Ag UTV	Gasoline	2002	16	Uncontrolled Technology	2019	30		1000			5	Stanislaus
G-73645-A1	Ag UTV	Gasoline	1985	13	Uncontrolled Technology	2019	30		40			5	Tulare
G-73650-A1	Ag UTV	Gasoline	2011	29	Control Technology	2019	22		1500			5	Kern
G-73652-A1	Ag UTV	Gasoline	2009	11	Control Technology	2019	22		1500			5	Kern
G-73654-A1	Ag UTV	Gasoline	1997	10	Uncontrolled Technology	2019	6		300			5	Fresno
G-73690-A1	Ag UTV	Gasoline	2007	16	Control Technology	2019	38		475			5	Kern
G-73691-A1	Ag UTV	Gasoline	2007	16	Control Technology	2019	7		475			5	Kern
G-73692-A1	Ag UTV	Gasoline	2005	9	Uncontrolled Technology	2019	38		1200			5	Kern
G-73693-A1	Ag UTV	Gasoline	2002	22	Uncontrolled Technology	2019	38		475			5	Tulare
G-73705-A1	Ag UTV	Gasoline	1985	8	Uncontrolled Technology	2019	30		200			5	Merced
G-73729-A1	Ag UTV	Gasoline	2004	18	Control Technology	2019	38		550			5	Kern
G-73731-A1	Ag UTV	Gasoline	2004	19	Control Technology	2019	30		1000			5	Stanislaus
G-73734-A1	Ag UTV	Gasoline	2002	10	Uncontrolled Technology	2019	30		300			5	Tulare
G-73737-A1	Ag UTV	Gasoline	2007	47	Control Technology	2019	30		500			5	Merced
G-73741-A1	Ag UTV	Gasoline	1995	12	Uncontrolled Technology	2019	30		300			5	Tulare
G-73745-A1	Agricultu	Gasoline	1998	35	Uncontrolled Technology	2019	30		400			5	Stanislaus
G-73746-A1	Ag UTV	Gasoline	1984	12	Uncontrolled Technology	2019	30		350			5	Kings
G-73747-A1	Ag UTV	Gasoline	2007	23	Control Technology	2019	22		1500			5	Kern
G-73750-A1	Ag UTV	Gasoline	1986	8	Uncontrolled Technology	2019	6		150			5	Tulare
G-73752-A1	Ag UTV	Gasoline	1995	22	Uncontrolled Technology	2019	6		200			5	Fresno
G-73756-A1	Ag UTV	Diesel	2000	25	Tier 1	2019	6		275			5	Fresno

Project Type Off-Road

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Description Ag UTV Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-73761-A1	Ag UTV	Gasoline	1988	13	Uncontrolled Technology	2019	30		1000			5	Stanislaus
G-73766-A1	Ag UTV	Gasoline	1991	5	Uncontrolled Technology	2019	30		120			5	Merced
G-73769-A1	Ag UTV	Diesel	2007	54	Tier 2	2019	30		700			5	Merced
G-73787-A1	Ag UTV	Gasoline	2013	14	Control Technology	2019	7		700			5	Kern
G-73790-A1	Ag UTV	Gasoline	2006	14	Control Technology	2019	7		650			5	Kern
G-73792-A1	Ag UTV	Gasoline	2007	14	Control Technology	2019	7		650			5	Kern
G-73793-A1	Ag UTV	Gasoline	1988	17	Uncontrolled Technology	2019	38		250			5	Kern
G-73797-A1	Ag UTV	Gasoline	2009	7	Control Technology	2019	30		200			5	Stanislaus
G-73799-A1	Ag UTV	Gasoline	2006	32	Control Technology	2019	30		300			5	Stanislaus
G-73800-A1	Ag UTV	Diesel	2004	19	Tier 1	2019	6		500			5	Fresno
G-73802-A2	Ag UTV	Gasoline	1996	41	Uncontrolled Technology	2019	30		250			5	Stanislaus
G-73803-A1	Ag UTV	Gasoline	2007	26	Control Technology	2019	30		600			5	Tulare
G-73804-A1	Ag UTV	Gasoline	2007	26	Control Technology	2019	30		600			5	Tulare
G-73806-A1	Ag UTV	Gasoline	1999	15	Uncontrolled Technology	2019	30		250			5	San Joaquin
G-73807-A1	Ag UTV	Gasoline	1982	49	Uncontrolled Technology	2019	30		175			5	Fresno
G-73811-A1	Ag UTV	Gasoline	1992	19	Uncontrolled Technology	2019	30		100			5	San Joaquin
G-73812-A1	Ag UTV	Gasoline	2012	18	Control Technology	2019	6		300			5	Madera
G-73813-A1	Ag UTV	Gasoline	2014	12	Control Technology	2019	6		300			5	Madera
G-73814-A1	Ag UTV	Gasoline	2011	20	Control Technology	2019	6		300			5	Fresno
G-73815-A1	Ag UTV	Gasoline	2004	14	Control Technology	2019	6		300			5	Fresno
G-73818-A1	Ag UTV	Gasoline	1999	19	Uncontrolled Technology	2019	30		250			5	Stanislaus
G-73824-A1	Ag UTV	Gasoline	2004	10	Uncontrolled Technology	2019	22		1000			5	Stanislaus
G-73866-A1	Ag UTV	Gasoline	1996	17	Uncontrolled Technology	2019	30		150			5	Tulare
G-73881-A1	Agricultu	Gasoline	2006	12	Control Technology	2019	7		800			5	Kern
G-73911-A1	Ag UTV	Gasoline	2006	12	Control Technology	2019	7		800			5	Kern
G-73912-A1	Agricultu	Gasoline	2016	34	Control Technology	2019	24		1800			5	Kern
G-73913-A1	Agricultu	Gasoline	2004	19	Control Technology	2019	6		960			5	Fresno
G-73915-A1	Ag UTV	Gasoline	2004	18	Control Technology	2020	38		550			5	Kern
G-73917-A1	Ag UTV	Gasoline	2016	16	Control Technology	2019	6		2525			5	San Joaquin
G-73918-A1	Ag UTV	Gasoline	2016	16	Control Technology	2019	6		2178			5	San Joaquin
G-73923-A1	Ag UTV	Gasoline	2013	16	Control Technology	2019	6		425			5	San Joaquin
G-73928-A1	Ag UTV	Gasoline	2013	16	Control Technology	2019	6		425			5	San Joaquin
G-73932-A1	Ag UTV	Gasoline	1991	41	Uncontrolled Technology	2019	30		1000			5	Stanislaus

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-73933-A1	Ag UTV	Gasoline	2001	18	Uncontrolled Technology	2019	30		300			5	San Joaquin
G-73934-A1	Ag UTV	Gasoline	2001	18	Uncontrolled Technology	2019	30		300			5	San Joaquin
G-73937-A1	Ag UTV	Gasoline	2009	14	Control Technology	2019	30		230			5	San Joaquin
G-73938-A1	Ag UTV	Gasoline	2007	14	Control Technology	2019	30		230			5	San Joaquin
G-73942-A1	Ag UTV	Gasoline	2005	42	Control Technology	2019	30		200			5	Tulare
G-73945-A1	Ag UTV	Diesel	2004	25	Tier 1	2019	30		425			5	Merced
G-73947-A1	Ag UTV	Gasoline	2005	6	Control Technology	2019	30		167			5	Merced
G-73949-A1	Ag UTV	Gasoline	1999	23	Uncontrolled Technology	2019	30		200			5	Kings
G-73951-A1	Ag UTV	Gasoline	1982	16	Uncontrolled Technology	2020	30		250			5	Tulare
G-73966-A1	Ag UTV	Gasoline	1984	13	Uncontrolled Technology	2019	30		100			5	Stanislaus
G-73969-A1	Ag UTV	Gasoline	2005	20	Uncontrolled Technology	2019	30		500			5	Fresno
G-73971-A1	Ag UTV	Gasoline	2005	20	Control Technology	2019	30		500			5	Fresno
G-73973-A1	Ag UTV	Gasoline	2004	20	Control Technology	2019	30		500			5	Fresno
G-73978-A1	Ag UTV	Gasoline	2013	50	Control Technology	2019	30		500			5	Stanislaus
G-73997-A1	Ag UTV	Gasoline	1999	20	Uncontrolled Technology	2019	6		300			5	Kings
G-74001-A1	Ag UTV	Gasoline	2008	18	Control Technology	2019	23		150			5	Stanislaus
G-74010-A1	Ag UTV	Gasoline	2003	20	Uncontrolled Technology	2019	30		500			5	Fresno
G-74014-A1	Ag UTV	Gasoline	1999	14	Uncontrolled Technology	2020	22		350			5	Kern
G-74015-A1	Ag UTV	Gasoline	2010	15	Control Technology	2019	30		275			5	Merced
G-74016-A1	Ag UTV	Diesel	2000	11	Tier 1	2019	30		550			5	Stanislaus
G-74017-A1	Ag UTV	Gasoline	1987	17	Uncontrolled Technology	2019	30		350			5	Stanislaus
G-74018-A1	Ag UTV	Gasoline	1985	15	Uncontrolled Technology	2019	30		600			5	Fresno
G-74030-A1	Ag UTV	Gasoline	2012	16	Control Technology	2018	12		1220			5	Merced
G-74031-A1	Ag UTV	Gasoline	2009	16	Control Technology	2018	12		1200			5	Merced
G-74050-A1	Ag UTV	Gasoline	2006	27	Control Technology	2019	4		500			5	Fresno
G-74051-A1	Ag UTV	Gasoline	2005	10	Control Technology	2019	4		200			5	Fresno
G-74053-A1	Ag UTV	Gasoline	2015	13	Control Technology	2019	38		600			5	Fresno
G-74056-A1	Ag UTV	Gasoline	2011	13	Control Technology	2019	30		200			5	San Joaquin
G-74057-A1	Ag UTV	Gasoline	2001	22	Uncontrolled Technology	2019	38		650			5	Tulare
G-74060-A1	Ag UTV	Gasoline	1990	20	Uncontrolled Technology	2019	30		300			5	Fresno
G-74064-A1	Ag UTV	Gasoline	1982	18	Uncontrolled Technology	2019	9		450			5	Merced
G-74066-A1	Ag UTV	Diesel	2002	18	Tier 1	2019	3		900			5	Kings
G-74098-A1	Ag UTV	Diesel	2012	25	Tier 4 Interim	2019	30		2190			5	Tulare

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Description Ag UTV Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-74103-A1	Ag UTV	Gasoline	1997	20	Uncontrolled Technology	2019	38		850			5	Kings
G-74108-A1	Ag UTV	Gasoline	2003	14	Uncontrolled Technology	2019	22		400			5	San Joaquin
G-74113-A1	Ag UTV	Gasoline	1993	13	Uncontrolled Technology	2019	22		600			5	San Joaquin
G-74118-A1	Ag UTV	Gasoline	1987	30	Uncontrolled Technology	2019	22		200			5	San Joaquin
G-74126-A1	Ag UTV	Gasoline	2003	14	Uncontrolled Technology	2019	22		900			5	San Joaquin
G-74132-A1	Ag UTV	Gasoline	2014	16	Control Technology	2019	6		708			5	Kern
G-74134-A1	Ag UTV	Gasoline	2014	16	Control Technology	2019	6		865			5	Kern
G-74136-A1	Ag UTV	Gasoline	2014	16	Control Technology	2019	30		801			5	Kern
G-74138-A1	Ag UTV	Gasoline	2014	16	Control Technology	2019	30		589			5	Kern
G-74139-A1	Ag UTV	Gasoline	2014	16	Control Technology	2019	30		1049			5	Kern
G-74140-A1	Ag UTV	Gasoline	2014	16	Control Technology	2019	30		842			5	Kern
G-74142-A1	Ag UTV	Gasoline	1994	20	Uncontrolled Technology	2019	30		400			5	Fresno
G-74144-A1	Ag UTV	Gasoline	1988	15	Uncontrolled Technology	2019	38		500			5	Kern
G-74166-A1	Ag UTV	Gasoline	2000	15	Uncontrolled Technology	2019	30		250			5	Fresno
G-74176-A1	Ag UTV	Gasoline	2009	15	Control Technology	2019	30		1700			5	Fresno
G-74177-A1	Ag UTV	Gasoline	2010	28	Control Technology	2019	30		1700			5	Fresno
G-74178-A1	Ag UTV	Gasoline	2002	26	Uncontrolled Technology	2019	30		800			5	Fresno
G-74182-A1	Ag UTV	Gasoline	1987	20	Uncontrolled Technology	2019	30		480			5	Stanislaus
G-74183-A1	Ag UTV	Gasoline	1996	20	Uncontrolled Technology	2019	30		250			5	Stanislaus
G-74185-A1	Ag UTV	Gasoline	1995	25	Uncontrolled Technology	2019	30		250			5	Stanislaus
G-74186-A1	Ag UTV	Gasoline	1984	15	Uncontrolled Technology	2019	30		100			5	Tulare
G-74195-A1	Ag UTV	Gasoline	2004	23	Control Technology	2018	12		880			5	Merced
G-74208-A1	Ag UTV	Gasoline	1983	11	Uncontrolled Technology	2018	12		660			5	Merced
G-74214-A1	Ag UTV	Gasoline	2010	33	Control Technology	2019	22		2000			5	Merced
G-74216-A1	Ag UTV	Gasoline	1995	32	Uncontrolled Technology	2019	30		400			5	Stanislaus
G-74217-A1	Ag UTV	Gasoline	2002	14	Uncontrolled Technology	2019	6		200			5	Fresno
G-74220-A1	Ag UTV	Gasoline	2014	15	Control Technology	2019	6		200			5	Fresno
G-74221-A1	Ag UTV	Gasoline	2005	14	Control Technology	2019	7		1300			5	Kern
G-74238-A1	Ag UTV	Gasoline	1983	13	Uncontrolled Technology	2019	30		150			5	Fresno
G-74244-A1	Ag UTV	Diesel	2006	30	Tier 1	2019	19		1000			5	Fresno
G-74250-A1	Ag UTV	Gasoline	1993	19	Uncontrolled Technology	2019	6		150			5	Fresno
G-74255-A1	Ag UTV	Gasoline	2012	12	Control Technology	2019	30		1000			5	Stanislaus
G-74266-A1	Ag UTV	Gasoline	1995	23	Uncontrolled Technology	2019	6		250			5	Fresno

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-74269-A1	Ag UTV	Gasoline	2004	39	Control Technology	2019	30		200			5	Fresno
G-74299-A1	Ag UTV	Gasoline	2012	20	Control Technology	2019	30		200			5	Merced
G-74303-A1	Ag UTV	Gasoline	2000	25	Uncontrolled Technology	2019	30		1200			5	Merced
G-74306-A1	Ag UTV	Gasoline	2000	33	Uncontrolled Technology	2019	6		250			5	Fresno
G-74314-A1	Ag UTV	Gasoline	1991	20	Uncontrolled Technology	2019	30		300			5	Fresno
G-74315-A1	Ag UTV	Gasoline	2004	7	Control Technology	2019	30		200			5	Merced
G-74332-A1	Ag UTV	Gasoline	1996	20	Uncontrolled Technology	2019	30		250			5	Tulare
G-74333-A1	Ag UTV	Gasoline	2007	9	Control Technology	2019	30		250			5	Tulare
G-74334-A1	Ag UTV	Gasoline	2001	19	Uncontrolled Technology	2017	30		250			5	Stanislaus
G-74346-A1	Ag UTV	Gasoline	1987	7	Uncontrolled Technology	2019	6		200			5	Merced
G-74350-A1	Ag UTV	Gasoline	2011	16	Control Technology	2019	12		200			5	Stanislaus
G-74421-A1	Ag UTV	Gasoline	2012	20	Control Technology	2019	7		200			5	Madera
G-74422-A1	Ag UTV	Gasoline	2005	17	Control Technology	2019	7		200			5	Madera
G-74423-A1	Ag UTV	Gasoline	1996	20	Uncontrolled Technology	2019	30		700			5	San Joaquin
G-74458-A1	Ag UTV	Gasoline	2000	20	Uncontrolled Technology	2019	30		200			5	Tulare
G-74459-A1	Ag UTV	Gasoline	2013	13	Control Technology	2019	6		550			5	Madera
G-74461-A1	Ag UTV	Gasoline	1999	22	Uncontrolled Technology	2019	30		1600			5	Stanislaus
G-74463-A1	Ag UTV	Gasoline	1990	20	Uncontrolled Technology	2019	30		800			5	Merced
G-74464-A1	Ag UTV	Gasoline	2011	13	Control Technology	2019	22		200			5	Stanislaus
G-74465-A1	Ag UTV	Gasoline	2003	19	Uncontrolled Technology	2019	30		175			5	Stanislaus
G-74472-A1	Ag UTV	Gasoline	2003	13	Uncontrolled Technology	2019	30		650			5	Stanislaus
G-74475-A1	Ag UTV	Gasoline	2005	13	Control Technology	2019	30		633			5	Stanislaus
G-74479-A1	Ag UTV	Gasoline	1989	17	Uncontrolled Technology	2019	36		100			5	Kern
G-74480-A1	Ag UTV	Gasoline	1989	17	Uncontrolled Technology	2019	36		100			5	Kern
G-74481-A1	Ag UTV	Diesel	2016	20	Tier 4 Final	2019	36		200			5	Kern
G-74482-A1	Ag UTV	Diesel	2009	22	Tier 4 Final	2019	6		600			5	Tulare
G-74483-A1	Ag UTV	Diesel	2015	20	Tier 4 Final	2019	36		200			5	Kern
G-74484-A1	Ag UTV	Diesel	2016	20	Tier 4 Final	2019	36		200			5	Kern
G-74486-A1	Ag UTV	Gasoline	1998	17	Uncontrolled Technology	2019	30		150			5	San Joaquin
G-74488-A1	Ag UTV	Gasoline	2007	10	Control Technology	2019	30		548			5	Tulare
G-74489-A1	Ag UTV	Gasoline	2016	18	Control Technology	2019	30		400			5	Merced
G-74490-A1	Ag UTV	Gasoline	2012	18	Control Technology	2019	30		2212			5	Merced
G-74503-A1	Ag UTV	Gasoline	2002	29	Uncontrolled Technology	2019	30		1100			5	Tulare

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-74509-A1	Ag UTV	Gasoline	1990	8	Uncontrolled Technology	2019	22		325			5	Kern
G-74510-A1	Ag UTV	Gasoline	2012	23	Control Technology	2019	22		550			5	Kern
G-74511-A1	Ag UTV	Gasoline	2002	3	Uncontrolled Technology	2019	30		150			5	Kings
G-74513-A1	Ag UTV	Gasoline	2005	22	Control Technology	2019	9		200			5	Stanislaus
G-74519-A1	Ag UTV	Gasoline	2007	6	Control Technology	2019	30		250			5	Tulare
G-74523-A1	Ag UTV	Gasoline	1979	16	Uncontrolled Technology	2019	30		80			5	Stanislaus
G-74525-A1	Ag UTV	Gasoline	2001	26	Uncontrolled Technology	2019	9		15			5	Stanislaus
G-74527-A1	Ag UTV	Gasoline	1979	14	Uncontrolled Technology	2019	38		30			5	Stanislaus
G-74531-A1	Ag UTV	Gasoline	1997	19	Uncontrolled Technology	2019	30		800			5	San Joaquin
G-74536-A1	Ag UTV	Gasoline	2010	28	Uncontrolled Technology	2020	30		800			5	San Joaquin
G-74542-A1	Ag UTV	Gasoline	1993	20	Uncontrolled Technology	2019	30		500			5	Merced
G-74543-A1	Ag UTV	Gasoline	2002	10	Uncontrolled Technology	2019	30		500			5	Merced
G-74545-A1	Ag UTV	Gasoline	1999	14	Uncontrolled Technology	2019	6		225			5	Stanislaus
G-74546-A1	Ag UTV	Gasoline	2005	4	Control Technology	2019	30		146			5	Kings
G-74548-A1	Ag UTV	Gasoline	1994	10	Uncontrolled Technology	2019	40		120			5	Tulare
G-74606-A1	Ag UTV	Gasoline	2012	16	Control Technology	2019	4		700			5	Kern
G-74609-A1	Ag UTV	Gasoline	1983	13	Uncontrolled Technology	2019	17		300			5	Stanislaus
G-74610-A1	Ag UTV	Gasoline	1985	24	Uncontrolled Technology	2019	4		275			5	Kern
G-74611-A1	Ag UTV	Gasoline	2012	23	Control Technology	2019	30		75			5	Kings
G-74612-A1	Ag UTV	Gasoline	2011	16	Control Technology	2019	22		250			5	Merced
G-74613-A1	Ag UTV	Gasoline	2004	7	Control Technology	2019	38		300			5	Kern
G-74614-A1	Ag UTV	Gasoline	2000	7	Uncontrolled Technology	2019	30		750			5	Tulare
G-74698-A1	Ag UTV	Gasoline	1995	55	Uncontrolled Technology	2019	30		1000			5	Stanislaus
G-74699-A1	Ag UTV	Gasoline	1997	26	Uncontrolled Technology	2019	22		250			5	Merced
G-74701-A1	Ag UTV	Diesel	2008	30	Tier 4 Interim	2019	30		800			5	Merced
G-74704-A1	Ag UTV	Gasoline	1985	25	Uncontrolled Technology	2019	30		420			5	Stanislaus
G-74705-A1	Ag UTV	Gasoline	1988	30	Uncontrolled Technology	2019	30		800			5	Stanislaus
G-74707-A1	Ag UTV	Diesel	2007	22	Tier 1	2019	6		500			5	Kings
G-74709-A1	Ag UTV	Gasoline	2004	16	Control Technology	2019	6		2900			5	Fresno
G-74712-A1	Ag UTV	Gasoline	2007	17	Control Technology	2019	30		1000			5	Kern
G-74717-A1	Ag UTV	Gasoline	1992	20	Uncontrolled Technology	2019	30		100			5	Madera
G-74722-A1	Ag UTV	Gasoline	2002	20	Uncontrolled Technology	2019	6		350			5	Stanislaus
G-74723-A1	Ag UTV	Gasoline	1982	20	Uncontrolled Technology	2019	6		400			5	Stanislaus

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-74727-A1	Ag UTV	Gasoline	1989	16	Uncontrolled Technology	2019	6		500			5	Merced
G-74730-A1	Ag UTV	Gasoline	1997	19	Uncontrolled Technology	2019	4		700			5	Kern
G-74731-A1	Ag UTV	Gasoline	2007	18	Uncontrolled Technology	2019	30		370			5	Stanislaus
G-74733-A1	Ag UTV	Gasoline	2003	18	Uncontrolled Technology	2019	30		450			5	Stanislaus
G-74739-A1	Ag UTV	Gasoline	1997	20	Uncontrolled Technology	2019	30		600			5	Tulare
G-74745-A1	Ag UTV	Gasoline	2000	27	Uncontrolled Technology	2019	30		120			5	San Joaquin
G-74748-A1	Ag UTV	Gasoline	1987	19	Uncontrolled Technology	2019	30		500			5	Fresno
G-74752-A1	Ag UTV	Gasoline	2008	46	Control Technology	2019	30		150			5	San Joaquin
G-74757-A1	Ag UTV	Gasoline	2007	18	Control Technology	2019	30		450			5	Stanislaus
G-74759-A1	Ag UTV	Gasoline	2003	10	Uncontrolled Technology	2019	30		1000			5	Stanislaus
G-74764-A1	Ag UTV	Gasoline	2000	13	Uncontrolled Technology	2019	30		350			5	Merced
G-74776-A1	Ag UTV	Gasoline	2007	35	Control Technology	2019	30		1100			5	Merced
G-74777-A1	Ag UTV	Diesel	2014	22	Tier 4 Final	2019	30		2050			5	Stanislaus
G-74779-A1	Ag UTV	Gasoline	1998	33	Uncontrolled Technology	2019	38		250			5	Merced
G-74780-A1	Ag UTV	Gasoline	1992	22	Uncontrolled Technology	2019	30		150			5	San Joaquin
G-74782-A1	Ag UTV	Gasoline	2003	50	Uncontrolled Technology	2019	30		200			5	San Joaquin
G-74783-A1	Ag UTV	Gasoline	2001	33	Uncontrolled Technology	2019	30		2461			5	Stanislaus
G-74793-A1	Ag UTV	Gasoline	1988	25	Uncontrolled Technology	2019	22		300			5	Stanislaus
G-74794-A1	Ag UTV	Gasoline	1997	20	Uncontrolled Technology	2019	38		200			5	San Joaquin
G-74795-A1	Ag UTV	Gasoline	1991	25	Uncontrolled Technology	2019	38		200			5	San Joaquin
G-74800-A1	Ag UTV	Gasoline	1984	6	Uncontrolled Technology	2019	30		750			5	Fresno
G-74808-A1	Ag UTV	Gasoline	1982	13	Uncontrolled Technology	2019	30		50			5	San Joaquin
G-74814-A1	Ag UTV	Gasoline	1987	35	Uncontrolled Technology	2019	30		450			5	Stanislaus
G-74819-A1	Ag UTV	Gasoline	2012	40	Control Technology	2019	30		950			5	San Joaquin
G-74824-A1	Ag UTV	Gasoline	2012	40	Control Technology	2019	30		900			5	San Joaquin
G-74825-A1	Ag UTV	Gasoline	2000	20	Uncontrolled Technology	2019	30		300			5	Tulare
G-74826-A1	Ag UTV	Gasoline	2009	10	Uncontrolled Technology	2019	30		200			5	San Joaquin
G-74827-A1	Ag UTV	Gasoline	2012	40	Control Technology	2019	30		825			5	San Joaquin
G-74833-A1	Ag UTV	Gasoline	2009	7	Uncontrolled Technology	2019	30		150			5	San Joaquin
G-74839-A1	Ag UTV	Gasoline	2002	50	Uncontrolled Technology	2019	30		600			5	Stanislaus
G-74841-A1	Ag UTV	Gasoline	1997	17	Uncontrolled Technology	2019	38		250			5	Fresno
G-74842-A1	Ag UTV	Gasoline	2005	15	Uncontrolled Technology	2019	30		300			5	San Joaquin

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-74844-A1	Ag UTV	Gasoline	2013	8	Control Technology	2019	6		250			5	Tulare
G-74845-A1	Ag UTV	Gasoline	2013	8	Control Technology	2019	6		250			5	Tulare
G-74846-A1	Ag UTV	Gasoline	2004	33	Control Technology	2019	30		250			5	Fresno
G-74854-A1	Ag UTV	Gasoline	2015	9	Control Technology	2019	38		60			5	Tulare
G-74861-A1	Ag UTV	Gasoline	2000	22	Uncontrolled Technology	2019	30		250			5	Kings
G-74878-A1	Ag UTV	Gasoline	1998	34	Uncontrolled Technology	2019	12		410			5	Merced
G-74888-A1	Ag UTV	Gasoline	2011	12	Control Technology	2019	6		700			5	Merced
G-74889-A1	Ag UTV	Gasoline	2012	12	Control Technology	2019	6		700			5	Merced
G-74890-A1	Ag UTV	Gasoline	1996	26	Uncontrolled Technology	2019	30		50			5	Merced
G-74928-A1	Ag UTV	Gasoline	1988	9	Uncontrolled Technology	2019	9		250			5	Merced
G-74929-A1	Ag UTV	Diesel	2011	22	Tier 4 Interim	2019	12		200			5	Merced
G-74932-A1	Ag UTV	Gasoline	2006	9	Control Technology	2019	30		582			5	Madera
G-74933-A1	Ag UTV	Gasoline	2003	7	Uncontrolled Technology	2019	30		338			5	Madera
G-74935-A1	Ag UTV	Gasoline	1999	18	Uncontrolled Technology	2019	30		100			5	Stanislaus
G-74937-A1	Ag UTV	Gasoline	2000	13	Uncontrolled Technology	2019	30		120			5	Kings
G-74944-A1	Ag UTV	Gasoline	2009	16	Control Technology	2019	30		1050			5	Merced
G-74947-A1	Ag UTV	Gasoline	1986	21	Uncontrolled Technology	2019	30		100			5	Merced
G-74949-A1	Ag UTV	Gasoline	1984	16	Uncontrolled Technology	2019	6		350			5	Merced
G-74950-A1	Ag UTV	Gasoline	1986	12	Uncontrolled Technology	2019	6		175			5	Tulare
G-74952-A1	Ag UTV	Gasoline	2014	10	Control Technology	2019	40		1000			5	San Joaquin
G-74954-A1	Ag UTV	Diesel	2000	19	Tier 1	2019	30		600			5	Merced
G-74955-A1	Ag UTV	Gasoline	2001	10	Uncontrolled Technology	2019	36		1000			5	San Joaquin
G-74958-A1	Ag UTV	Gasoline	2004	8	Control Technology	2020	30		250			5	Tulare
G-74959-A1	Ag UTV	Diesel	2010	21	Tier 4 Interim	2019	6		612			5	Merced
G-74961-A1	Ag UTV	Gasoline	1986	20	Uncontrolled Technology	2019	30		150			5	Kings
G-74962-A1	Ag UTV	Gasoline	2006	20	Control Technology	2019	30		150			5	Kings
G-74964-A1	Ag UTV	Gasoline	2000	27	Uncontrolled Technology	2019	23		400			5	Merced
G-74966-A1	Ag UTV	Gasoline	2001	15	Uncontrolled Technology	2019	30		500			5	Stanislaus
G-74967-A1	Ag UTV	Gasoline	2004	10	Control Technology	2019	23		500			5	Merced
G-74969-A1	Ag UTV	Gasoline	1998	10	Uncontrolled Technology	2019	23		500			5	Merced
G-74973-A1	Ag UTV	Gasoline	1982	7	Uncontrolled Technology	2019	22		500			5	Tulare
G-74975-A1	Ag UTV	Gasoline	2004	22	Control Technology	2019	30		400			5	San Joaquin

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-74977-A1	Ag UTV	Gasoline	2006	28	Control Technology	2019	30		1400			5	San Joaquin
G-74979-A1	Ag UTV	Gasoline	1989	14	Uncontrolled Technology	2019	23		500			5	Stanislaus
G-74980-A1	Ag UTV	Gasoline	2005	8	Control Technology	2019	30		250			5	San Joaquin
G-74981-A1	Ag UTV	Gasoline	1997	20	Uncontrolled Technology	2019	38		150			5	San Joaquin
G-74982-A1	Ag UTV	Gasoline	2005	8	Control Technology	2019	30		250			5	San Joaquin
G-74986-A1	Ag UTV	Gasoline	2015	31	Control Technology	2019	30		1000			5	Tulare
G-74988-A1	Ag UTV	Gasoline	2007	45	Control Technology	2019	36		300			5	Kern
G-74990-A1	Ag UTV	Gasoline	1997	21	Uncontrolled Technology	2019	30		1040			5	Kings
G-74992-A1	Ag UTV	Diesel	2012	16	Tier 4 Interim	2019	30		600			5	Merced
G-74993-A1	Ag UTV	Diesel	2011	16	Tier 4 Interim	2020	30		1000			5	Merced
G-74995-A1	Ag UTV	Diesel	2011	60	Tier 4 Interim	2019	30		800			5	Merced
G-74996-A1	Ag UTV	Diesel	2012	22	Tier 4 Interim	2019	30		725			5	Merced
G-74997-A1	Ag UTV	Gasoline	2002	19	Uncontrolled Technology	2019	30		650			5	Merced
G-74998-A1	Ag UTV	Gasoline	2002	20	Uncontrolled Technology	2019	22		400			5	Tulare
G-75000-A1	Ag UTV	Gasoline	2007	8	Control Technology	2019	22		400			5	Kern
G-75003-A1	Ag UTV	Diesel	2008	23	Tier 0	2020	30		500			5	Tulare
G-75005-A1	Ag UTV	Gasoline	2009	15	Control Technology	2019	22		400			5	Stanislaus
G-75006-A1	Ag UTV	Gasoline	2009	15	Control Technology	2019	22		400			5	Stanislaus
G-75007-A1	Ag UTV	Gasoline	2012	15	Control Technology	2019	22		400			5	Stanislaus
G-75039-A1	Ag UTV	Gasoline	2007	30	Control Technology	2019	38		300			5	Tulare
G-75053-A1	Ag UTV	Gasoline	1993	20	Uncontrolled Technology	2019	30		750			5	Fresno
G-75055-A1	Ag UTV	Gasoline	2001	27	Uncontrolled Technology	2020	30		1095			5	Merced
G-75057-A1	Ag UTV	Gasoline	1995	23	Uncontrolled Technology	2019	38		500			5	Merced
G-75064-A1	Ag UTV	Gasoline	1994	25	Uncontrolled Technology	2019	30		500			5	Stanislaus
G-75068-A1	Ag UTV	Gasoline	2003	17	Uncontrolled Technology	2018	38		625			5	Tulare
G-75071-A1	Ag UTV	Gasoline	2010	14	Control Technology	2019	22		200			5	Merced
G-75074-A1	Ag UTV	Gasoline	2012	15	Control Technology	2019	36		2000			5	Kern
G-75075-A1	Ag UTV	Gasoline	2006	42	Control Technology	2019	30		400			5	Tulare
G-75076-A1	Ag UTV	Gasoline	2012	15	Control Technology	2019	40		2000			5	Kern
G-75077-A1	Ag UTV	Gasoline	1996	13	Uncontrolled Technology	2019	36		200			5	Merced
G-75085-A1	Ag UTV	Gasoline	2012	19	Control Technology	2019	22		400			5	Stanislaus
G-75087-A1	Ag UTV	Gasoline	2007	11	Control Technology	2019	6		150			5	Tulare

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-75089-A1	Ag UTV	Gasoline	1996	18	Uncontrolled Technology	2019	6		150			5	Tulare
G-75100-A1	Ag UTV	Gasoline	1994	25	Uncontrolled Technology	2019	30		300			5	Fresno
G-75107-A1	Ag UTV	Gasoline	1984	13	Uncontrolled Technology	2019	30		750			5	Fresno
G-75113-A1	Ag UTV	Gasoline	1983	13	Uncontrolled Technology	2019	30		750			5	Fresno
G-75116-A1	Ag UTV	Gasoline	1987	17	Uncontrolled Technology	2019	30		400			5	Tulare
G-75132-A1	Ag UTV	Gasoline	2008	7	Control Technology	2019	30		250			5	San Joaquin
G-75134-A1	Ag UTV	Gasoline	1998	25	Uncontrolled Technology	2019	30		500			5	San Joaquin
G-75136-A1	Ag UTV	Gasoline	2005	18	Control Technology	2019	38		600			5	Kern
G-75139-A1	Ag UTV	Gasoline	2008	11	Control Technology	2019	22		200			5	Stanislaus
G-75148-A1	Ag UTV	Gasoline	1986	8	Uncontrolled Technology	2019	12		100			5	Stanislaus
G-75152-A1	Ag UTV	Gasoline	2006	23	Control Technology	2019	22		300			5	Merced
G-75158-A1	Ag UTV	Gasoline	2002	29	Uncontrolled Technology	2019	22		300			5	Stanislaus
G-75160-A1	Ag UTV	Gasoline	1985	18	Uncontrolled Technology	2019	30		100			5	Fresno
G-75164-A1	Ag UTV	Gasoline	2000	32	Uncontrolled Technology	2019	30		300			5	San Joaquin
G-75170-A1	Ag UTV	Gasoline	1985	8	Uncontrolled Technology	2019	30		300			5	Stanislaus
G-75176-A1	Ag UTV	Gasoline	2004	22	Control Technology	2019	30		400			5	Stanislaus
G-75180-A1	Ag UTV	Gasoline	1999	9	Uncontrolled Technology	2019	30		250			5	Stanislaus
G-75183-A1	Ag UTV	Gasoline	2000	9	Uncontrolled Technology	2019	30		200			5	Stanislaus
G-75184-A1	Ag UTV	Gasoline	2000	11	Uncontrolled Technology	2019	30		100			5	Merced
G-75186-A1	Ag UTV	Gasoline	2004	10	Control Technology	2019	6		200			5	Tulare
G-75188-A1	Ag UTV	Gasoline	1991	24	Uncontrolled Technology	2019	30		780			5	Stanislaus
G-75190-A1	Ag UTV	Gasoline	1997	20	Uncontrolled Technology	2019	23		300			5	Stanislaus
G-75191-A1	Ag UTV	Gasoline	2007	40	Control Technology	2019	4		300			5	Stanislaus
G-75192-A1	Ag UTV	Gasoline	2008	13	Control Technology	2020	30		1000			5	Stanislaus
G-75193-A1	Ag UTV	Gasoline	2010	13	Control Technology	2019	22		237			5	Merced
G-75194-A1	Ag UTV	Gasoline	2004	15	Control Technology	2019	36		1000			5	Tulare
G-75196-A1	Ag UTV	Gasoline	2011	10	Control Technology	2019	38		250			5	San Joaquin
G-75197-A1	Ag UTV	Gasoline	2004	46	Control Technology	2019	38		288			5	Merced
G-75198-A1	Ag UTV	Gasoline	2002	15	Uncontrolled Technology	2019	30		325			5	San Joaquin
G-75200-A1	Ag UTV	Gasoline	1997	15	Uncontrolled Technology	2019	30		100			5	Stanislaus
G-75208-A1	Ag UTV	Gasoline	1983	8	Uncontrolled Technology	2019	6		100			5	Stanislaus
G-75212-A1	Ag UTV	Gasoline	2006	16	Control Technology	2019	22		250			5	San Joaquin

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-75214-A1	Ag UTV	Gasoline	1988	15	Uncontrolled Technology	2019	30		500			5	Tulare
G-75220-A1	Ag UTV	Gasoline	1980	12	Uncontrolled Technology	2019	30		500			5	Tulare
G-75226-A1	Ag UTV	Gasoline	1997	19	Uncontrolled Technology	2019	30		500			5	Tulare
G-75233-A1	Ag UTV	Gasoline	1999	33	Uncontrolled Technology	2019	30		500			5	Tulare
G-75247-A1	Ag UTV	Gasoline	1996	6	Uncontrolled Technology	2019	30		500			5	Tulare
G-75248-A1	Ag UTV	Gasoline	2003	30	Uncontrolled Technology	2019	30		100			5	Stanislaus
G-75249-A1	Ag UTV	Gasoline	1984	5	Uncontrolled Technology	2019	30		250			5	Stanislaus
G-75251-A1	Ag UTV	Gasoline	2007	13	Control Technology	2019	22		200			5	Stanislaus
G-75258-A1	Ag UTV	Gasoline	1985	8	Control Technology	2019	36		750			5	San Joaquin
G-75259-A1	Ag UTV	Gasoline	1985	8	Uncontrolled Technology	2019	36		750			5	San Joaquin
G-75260-A1	Ag UTV	Gasoline	1983	12	Uncontrolled Technology	2019	36		750			5	San Joaquin
G-75261-A1	Ag UTV	Gasoline	1983	13	Uncontrolled Technology	2019	40		750			5	San Joaquin
G-75262-A1	Ag UTV	Gasoline	1983	12	Uncontrolled Technology	2019	36		750			5	San Joaquin
G-75264-A1	Ag UTV	Gasoline	2003	14	Uncontrolled Technology	2019	6		800			5	Fresno
G-75265-A1	Ag UTV	Gasoline	2016	16	Control Technology	2019	6		2000			5	Fresno
G-75267-A1	Ag UTV	Gasoline	2016	16	Control Technology	2019	6		2000			5	Fresno
G-75269-A1	Ag UTV	Gasoline	2016	16	Control Technology	2019	6		2000			5	Fresno
G-75277-A1	Ag UTV	Gasoline	2001	10	Uncontrolled Technology	2019	6		150			5	Fresno
G-75281-A1	Ag UTV	Gasoline	2005	15	Control Technology	2019	30		240			5	Tulare
G-75285-A1	Ag UTV	Gasoline	2005	29	Control Technology	2019	30		780			5	Stanislaus
G-75287-A1	Ag UTV	Gasoline	2002	22	Uncontrolled Technology	2019	30		780			5	Stanislaus
G-75290-A1	Ag UTV	Gasoline	2010	28	Control Technology	2019	6		100			5	Madera
G-75291-A1	Ag UTV	Gasoline	2010	21	Control Technology	2020	30		200			5	Fresno
G-75304-A1	Ag UTV	Gasoline	2007	12	Control Technology	2019	6		150			5	Madera
G-75306-A1	Ag UTV	Gasoline	2007	19	Control Technology	2019	6		550			5	Madera
G-75311-A1	Ag UTV	Gasoline	2004	17	Control Technology	2019	30		750			5	Fresno
G-75319-A1	Ag UTV	Gasoline	1988	17	Uncontrolled Technology	2019	9		300			5	Stanislaus
G-75320-A1	Ag UTV	Gasoline	2005	18	Control Technology	2019	30		600			5	San Joaquin
G-75321-A1	Ag UTV	Gasoline	2001	17	Uncontrolled Technology	2019	30		950			5	Tulare
G-75322-A1	Ag UTV	Gasoline	2005	32	Control Technology	2019	30		800			5	Madera
G-75323-A1	Ag UTV	Gasoline	2013	50	Control Technology	2019	30		1800			5	Fresno
G-75337-A1	Ag UTV	Gasoline	2005	28	Control Technology	2019	30		200			5	San Joaquin

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-75339-A1	Ag UTV	Gasoline	2001	10	Uncontrolled Technology	2019	6		500			5	Madera
G-75340-A1	Ag UTV	Gasoline	2011	29	Control Technology	2019	30		1000			5	Fresno
G-75341-A1	Ag UTV	Gasoline	1994	17	Uncontrolled Technology	2019	30		350			5	Stanislaus
G-75342-A1	Ag UTV	Gasoline	1988	13	Uncontrolled Technology	2019	38		400			5	Stanislaus
G-75343-A1	Ag UTV	Gasoline	1980	7	Uncontrolled Technology	2019	30		500			5	San Joaquin
G-75347-A1	Ag UTV	Gasoline	2008	30	Control Technology	2019	30		1200			5	San Joaquin
G-75350-A1	Ag UTV	Gasoline	2016	9	Control Technology	2019	30		3075			5	Madera
G-75352-A1	Ag UTV	Gasoline	2008	30	Control Technology	2019	30		1200			5	San Joaquin
G-75353-A1	Ag UTV	Gasoline	2000	9	Uncontrolled Technology	2019	30		324			5	Tulare
G-75357-A1	Ag UTV	Gasoline	1993	22	Uncontrolled Technology	2019	30		250			5	Stanislaus
G-75407-A1	Ag UTV	Gasoline	2014	16	Control Technology	2019	16		250			5	Tulare
G-75410-A1	Ag UTV	Gasoline	2002	10	Uncontrolled Technology	2020	30		300			5	Stanislaus
G-75413-A1	Ag UTV	Gasoline	1991	9	Uncontrolled Technology	2019	38		156			5	Madera
G-75416-A1	Ag UTV	Gasoline	1999	15	Uncontrolled Technology	2019	5		300			5	Stanislaus
G-75418-A1	Ag UTV	Gasoline	2011	14	Uncontrolled Technology	2019	7		650			5	Tulare
G-75419-A1	Ag UTV	Gasoline	1991	17	Uncontrolled Technology	2019	30		150			5	Tulare
G-75420-A1	Ag UTV	Gasoline	1991	17	Uncontrolled Technology	2019	4		600			5	Kern
G-75424-A1	Ag UTV	Gasoline	2001	15	Uncontrolled Technology	2019	30		100			5	San Joaquin
G-75480-A1	Ag UTV	Gasoline	1985	17	Uncontrolled Technology	2019	38		100			5	Stanislaus
G-75483-A1	Ag UTV	Gasoline	2004	6	Control Technology	2020	38		450			5	Tulare
G-75487-A1	Ag UTV	Gasoline	2003	43	Uncontrolled Technology	2019	30		170			5	San Joaquin
G-75488-A1	Ag UTV	Diesel	2005	22	Tier 2	2019	6		300			5	Fresno
G-75489-A1	Ag UTV	Gasoline	2004	22	Control Technology	2019	6		300			5	Fresno
G-75490-A1	Ag UTV	Gasoline	2002	32	Uncontrolled Technology	2020	30		564			5	Stanislaus
G-75491-A1	Ag UTV	Gasoline	2000	22	Uncontrolled Technology	2019	30		500			5	Tulare
G-75492-A1	Ag UTV	Gasoline	1988	23	Uncontrolled Technology	2019	30		500			5	Tulare
G-75493-A1	Ag UTV	Gasoline	2003	15	Uncontrolled Technology	2019	30		500			5	Tulare
G-75494-A1	Ag UTV	Gasoline	1996	11	Uncontrolled Technology	2020	30		1000			5	Fresno
G-75495-A1	Ag UTV	Gasoline	2006	21	Control Technology	2019	6		210			5	Tulare
G-75496-A1	Ag UTV	Gasoline	2000	12	Uncontrolled Technology	2019	6		1500			5	Tulare
G-75497-A1	Ag UTV	Gasoline	2009	7	Control Technology	2019	30		100			5	Merced
G-75498-A1	Ag UTV	Gasoline	2003	41	Uncontrolled Technology	2019	6		400			5	Tulare

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-75499-A1	Ag UTV	Gasoline	1995	20	Uncontrolled Technology	2019	14		700			5	Tulare
G-75500-A1	Ag UTV	Gasoline	2000	12	Uncontrolled Technology	2019	5		1500			5	Tulare
G-75501-A1	Ag UTV	Gasoline	1987	17	Uncontrolled Technology	2019	38		400			5	Stanislaus
G-75522-A1	Ag UTV	Gasoline	2003	27	Uncontrolled Technology	2019	23		1600			5	Madera
G-75525-A1	Ag UTV	Diesel	2008	23	Tier 0	2019	30		500			5	Tulare
G-75526-A1	Ag UTV	Gasoline	1999	19	Uncontrolled Technology	2019	22		200			5	San Joaquin
G-75530-A1	Ag UTV	Gasoline	1996	15	Uncontrolled Technology	2019	30		120			5	Stanislaus
G-75535-A1	Ag UTV	Gasoline	1996	15	Uncontrolled Technology	2019	30		120			5	Stanislaus
G-75540-A1	Ag UTV	Gasoline	1996	9	Uncontrolled Technology	2018	38		300			5	Kings
G-75546-A1	Ag UTV	Gasoline	2006	14	Control Technology	2019	30		650			5	Fresno
G-75555-A1	Ag UTV	Gasoline	2004	33	Control Technology	2019	30		15			5	San Joaquin
G-75560-A1	Ag UTV	Gasoline	2005	23	Control Technology	2019	30		2400			5	Merced
G-75562-A1	Ag UTV	Gasoline	2012	28	Control Technology	2019	30		600			5	Madera
G-75564-A1	Ag UTV	Gasoline	1984	8	Uncontrolled Technology	2019	30		400			5	Madera
G-75566-A1	Ag UTV	Gasoline	1998	19	Uncontrolled Technology	2019	30		800			5	Madera
G-75581-A1	Ag UTV	Gasoline	1997	11	Uncontrolled Technology	2019	15		150			5	Tulare
G-75586-A1	Ag UTV	Gasoline	2002	26	Uncontrolled Technology	2019	30		500			5	Stanislaus
G-75643-A1	Ag UTV	Gasoline	2006	13	Control Technology	2019	12		500			5	Stanislaus
G-75651-A1	Ag UTV	Gasoline	1990	10	Uncontrolled Technology	2019	30		630			5	Fresno
G-75660-A1	Ag UTV	Gasoline	2012	13	Control Technology	2019	30		250			5	Fresno
G-75661-A1	Ag UTV	Gasoline	2005	22	Control Technology	2019	30		300			5	Tulare
G-75662-A1	Ag UTV	Gasoline	2001	14	Uncontrolled Technology	2020	6		100			5	Stanislaus
G-75664-A1	Ag UTV	Gasoline	2007	20	Control Technology	2019	30		365			5	Stanislaus
G-75671-A1	Ag UTV	Gasoline	1987	17	Uncontrolled Technology	2019	30		250			5	Stanislaus
G-75730-A2	Ag UTV	Gasoline	1994	8	Uncontrolled Technology	2019	6		150			5	Fresno
G-75736-A1	Ag UTV	Gasoline	2006	6	Control Technology	2019	16		300			5	Fresno
G-75739-A1	Ag UTV	Gasoline	1990	10	Uncontrolled Technology	2019	30		200			5	Fresno
G-75789-A1	Ag UTV	Gasoline	1976	18	Uncontrolled Technology	2019	30		60			5	Merced
G-75791-A1	Ag UTV	Gasoline	2005	15	Control Technology	2019	30		100			5	Stanislaus
G-75795-A1	Ag UTV	Diesel	2003	19	Tier 1	2019	30		450			5	San Joaquin
G-75797-A1	Ag UTV	Gasoline	1990	18	Uncontrolled Technology	2019	6		200			5	Fresno
G-75799-A1	Ag UTV	Gasoline	1987	22	Uncontrolled Technology	2019	38		600			5	Tulare

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-75812-A1	Ag UTV	Gasoline	2004	17	Control Technology	2019	22		550			5	Kern
G-75815-A1	Ag UTV	Gasoline	1996	19	Uncontrolled Technology	2019	6		800			5	Madera
G-75817-A1	Ag UTV	Gasoline	2012	14	Control Technology	2019	30		750			5	Kern
G-75819-A1	Ag UTV	Gasoline	2012	14	Control Technology	2019	30		750			5	Kern
G-75821-A1	Ag UTV	Gasoline	2004	22	Control Technology	2020	38		350			5	Kern
G-75828-A1	Ag UTV	Gasoline	2013	9	Control Technology	2019	6		200			5	Tulare
G-75829-A1	Ag UTV	Gasoline	2014	9	Control Technology	2019	6		200			5	Tulare
G-75830-A1	Ag UTV	Gasoline	2002	33	Uncontrolled Technology	2020	30		1000			5	San Joaquin
G-75831-A1	Ag UTV	Gasoline	1985	14	Uncontrolled Technology	2019	30		500			5	Tulare
G-75833-A1	Ag UTV	Gasoline	2005	46	Control Technology	2019	6		400			5	Fresno
G-75877-A1	Ag UTV	Gasoline	1990	22	Uncontrolled Technology	2019	30		200			5	San Joaquin
G-75880-A1	Ag UTV	Gasoline	2014	15	Control Technology	2019	30		400			5	Kings
G-75884-A1	Ag UTV	Gasoline	2002	16	Uncontrolled Technology	2019	30		350			5	Stanislaus
G-75912-A1	Ag UTV	Gasoline	1996	19	Uncontrolled Technology	2020	30		500			5	Merced
G-75914-A1	Ag UTV	Diesel	2006	18	Tier 0	2020	36		1103			5	Kern
G-75916-A1	Ag UTV	Gasoline	1998	20	Uncontrolled Technology	2020	30		500			5	Stanislaus
G-75924-A1	Ag UTV	Gasoline	2005	32	Control Technology	2019	30		240			5	Tulare
G-75925-A1	Ag UTV	Gasoline	2005	5	Control Technology	2019	6		1100			5	Madera
G-75926-A1	Ag UTV	Gasoline	1987	5	Uncontrolled Technology	2019	6		1100			5	Madera
G-75927-A1	Ag UTV	Gasoline	1997	20	Uncontrolled Technology	2019	30		400			5	Fresno
G-75929-A1	Ag UTV	Gasoline	1984	12	Uncontrolled Technology	2019	6		1075			5	Madera
G-75931-A1	Ag UTV	Gasoline	1983	15	Uncontrolled Technology	2019	9		520			5	Stanislaus
G-75942-A1	Ag UTV	Gasoline	2006	24	Control Technology	2020	38		300			5	Stanislaus
G-75950-A1	Ag UTV	Gasoline	1984	13	Uncontrolled Technology	2019	22		300			5	Merced
G-75978-A1	Ag UTV	Gasoline	1999	38	Uncontrolled Technology	2019	30		1560			5	Merced
G-76006-A1	Ag UTV	Gasoline	2003	16	Uncontrolled Technology	2019	30		2000			5	Fresno
G-76007-A1	Ag UTV	Gasoline	2003	16	Control Technology	2019	30		2000			5	Fresno
G-76008-A1	Ag UTV	Gasoline	1989	23	Uncontrolled Technology	2019	7		500			5	Kern
G-76089-A1	Ag UTV	Gasoline	1984	13	Uncontrolled Technology	2019	30		500			5	San Joaquin
G-76092-A1	Ag UTV	Gasoline	2001	19	Uncontrolled Technology	2019	12		300			5	Stanislaus
G-76096-A1	Ag UTV	Gasoline	1999	19	Uncontrolled Technology	2019	12		300			5	Stanislaus
G-76102-A1	Ag UTV	Gasoline	1994	19	Uncontrolled Technology	2020	30		600			5	Fresno

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-76109-A1	Ag UTV	Gasoline	1998	16	Uncontrolled Technology	2019	6		300			5	Fresno
G-76112-A1	Ag UTV	Gasoline	2002	20	Uncontrolled Technology	2019	6		300			5	Fresno
G-76128-A1	Ag UTV	Gasoline	2012	12	Control Technology	2020	30		600			5	Stanislaus
G-76189-A1	Ag UTV	Gasoline	1990	6	Uncontrolled Technology	2019	30		200			5	Tulare
G-76191-A1	Ag UTV	Gasoline	2003	20	Uncontrolled Technology	2020	30		200			5	Stanislaus
G-76192-A1	Ag UTV	Gasoline	2006	14	Control Technology	2019	30		200			5	Fresno
G-76193-A1	Ag UTV	Diesel	2012	25	Tier 4 Interim	2019	30		760			5	Fresno
G-76194-A1	Ag UTV	Gasoline	2006	13	Control Technology	2019	30		300			5	San Joaquin
G-76197-A1	Ag UTV	Gasoline	2007	13	Control Technology	2019	30		350			5	San Joaquin
G-76200-A1	Ag UTV	Gasoline	2009	22	Control Technology	2020	30		500			5	Madera
G-76202-A1	Ag UTV	Gasoline	2014	44	Control Technology	2019	30		128			5	Tulare
G-76206-A1	Ag UTV	Gasoline	2001	12	Uncontrolled Technology	2019	6		200			5	Fresno
G-76212-A1	Ag UTV	Gasoline	1982	13	Uncontrolled Technology	2019	6		150			5	Tulare
G-76245-A1	Ag UTV	Gasoline	1999	6	Uncontrolled Technology	2020	30		250			5	San Joaquin
G-76250-A1	Ag UTV	Gasoline	1989	15	Uncontrolled Technology	2019	30		200			5	Stanislaus
G-76253-A1	Ag UTV	Gasoline	2006	10	Control Technology	2020	30		425			5	Stanislaus
G-76255-A1	Ag UTV	Gasoline	1990	11	Uncontrolled Technology	2020	30		1560			5	Kings
G-76256-A1	Ag UTV	Gasoline	1995	30	Uncontrolled Technology	2020	30		1300			5	Kings
G-76290-A1	Ag UTV	Gasoline	2012	13	Control Technology	2020	30		1000			5	Stanislaus
G-76291-A1	Ag UTV	Gasoline	2003	21	Uncontrolled Technology	2020	30		1000			5	Stanislaus
G-76296-A1	Ag UTV	Gasoline	2005	20	Control Technology	2020	30		1000			5	Stanislaus
G-76355-A1	Ag UTV	Gasoline	2005	13	Control Technology	2019	30		275			5	San Joaquin
G-76356-A1	Ag UTV	Gasoline	1995	37	Uncontrolled Technology	2019	6		600			5	Madera
G-76359-A1	Ag UTV	Gasoline	2014	17	Control Technology	2020	30		1000			5	San Joaquin
G-76360-A1	Ag UTV	Gasoline	1997	15	Uncontrolled Technology	2020	30		1000			5	San Joaquin
G-76362-A1	Ag UTV	Gasoline	2004	17	Uncontrolled Technology	2020	30		1000			5	San Joaquin
G-76367-A1	Ag UTV	Gasoline	2007	10	Control Technology	2018	12		300			5	Merced
G-76370-A1	Ag UTV	Gasoline	2007	10	Control Technology	2018	12		300			5	Stanislaus
G-76384-A1	Ag UTV	Diesel	2001	22	Tier 1	2020	30		1300			5	Tulare
G-76385-A1	Ag UTV	Gasoline	2005	12	Control Technology	2019	36		600			5	Kern
G-76386-A1	Ag UTV	Gasoline	2005	16	Control Technology	2019	36		900			5	Kern
G-76387-A1	Ag UTV	Diesel	2007	22	Tier 1	2019	30		500			5	Kings

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-76388-A1	Ag UTV	Gasoline	2001	15	Uncontrolled Technology	2020	30		400			5	San Joaquin
G-76397-A1	Ag UTV	Gasoline	2004	22	Uncontrolled Technology	2020	30		350			5	San Joaquin
G-76429-A1	Ag UTV	Gasoline	1984	16	Uncontrolled Technology	2019	6		150			5	Fresno
G-76435-A1	Ag UTV	Gasoline	2007	24	Control Technology	2019	30		600			5	Madera
G-76437-A1	Ag UTV	Gasoline	2007	12	Control Technology	2020	30		200			5	Stanislaus
G-76454-A1	Ag UTV	Gasoline	2000	28	Uncontrolled Technology	2020	30		700			5	Stanislaus
G-76455-A1	Ag UTV	Gasoline	1993	20	Uncontrolled Technology	2020	12		600			5	Merced
G-76456-A1	Ag UTV	Gasoline	2006	23	Control Technology	2020	12		600			5	Merced
G-76458-A1	Ag UTV	Gasoline	1997	41	Uncontrolled Technology	2020	30		1600			5	San Joaquin
G-76459-A1	Ag UTV	Gasoline	1997	19	Uncontrolled Technology	2020	30		1500			5	San Joaquin
G-76460-A1	Ag UTV	Gasoline	2002	8	Uncontrolled Technology	2019	6		200			5	Fresno
G-76465-A1	Ag UTV	Gasoline	2004	33	Uncontrolled Technology	2019	30		141			5	Tulare
G-76467-A1	Ag UTV	Gasoline	2004	4	Uncontrolled Technology	2020	30		350			5	Stanislaus
G-76468-A1	Ag UTV	Gasoline	1999	19	Uncontrolled Technology	2019	6		1000			5	Tulare
G-76472-A1	Ag UTV	Gasoline	1996	10	Uncontrolled Technology	2019	30		900			5	Fresno
G-76535-A1	Ag UTV	Gasoline	2002	44	Uncontrolled Technology	2019	30		350			5	Merced
G-76537-A1	Ag UTV	Gasoline	2004	17	Control Technology	2019	36		150			5	Merced
G-76542-A1	Ag UTV	Gasoline	1980	11	Uncontrolled Technology	2019	6		100			5	Tulare
G-76546-A1	Ag UTV	Gasoline	2001	19	Uncontrolled Technology	2019	30		730			5	Stanislaus
G-76547-A1	Ag UTV	Gasoline	1970	3	Uncontrolled Technology	2020	30		250			5	San Joaquin
G-76549-A1	Ag UTV	Gasoline	1997	24	Uncontrolled Technology	2020	30		250			5	Stanislaus
G-76627-A1	Ag UTV	Diesel	2007	14	Tier 2	2019	6		200			5	Fresno
G-76629-A1	Ag UTV	Gasoline	2007	8	Control Technology	2019	6		250			5	Fresno
G-76641-A1	Ag UTV	Gasoline	1983	12	Uncontrolled Technology	2019	30		300			5	San Joaquin
G-76673-A1	Ag UTV	Gasoline	2007	20	Control Technology	2020	30		1008			5	Madera
G-76675-A1	Ag UTV	Gasoline	1983	12	Uncontrolled Technology	2019	30		300			5	San Joaquin
G-76677-A1	Ag UTV	Gasoline	2014	12	Control Technology	2019	6		250			5	Fresno
G-76679-A1	Ag UTV	Gasoline	1993	44	Uncontrolled Technology	2020	30		1100			5	Tulare
G-76681-A1	Ag UTV	Gasoline	1986	30	Uncontrolled Technology	2019	30		1200			5	Fresno
G-76685-A1	Ag UTV	Gasoline	2014	27	Control Technology	2020	30		600			5	San Joaquin
G-76687-A1	Ag UTV	Gasoline	2009	23	Control Technology	2019	30		280			5	Tulare
G-76690-A1	Ag UTV	Gasoline	2014	21	Control Technology	2019	30		200			5	Kings

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-76692-A1	Ag UTV	Gasoline	2003	14	Uncontrolled Technology	2019	30		5000			5	Merced
G-76693-A1	Ag UTV	Gasoline	2011	12	Control Technology	2019	6		200			5	Fresno
G-76694-A1	Ag UTV	Gasoline	1983	10	Uncontrolled Technology	2019	6		200			5	Fresno
G-76695-A1	Ag UTV	Gasoline	1982	13	Uncontrolled Technology	2019	30		200			5	Fresno
G-76696-A1	Ag UTV	Gasoline	2006	16	Control Technology	2019	38		1560			5	Tulare
G-76697-A1	Ag UTV	Gasoline	2006	8	Control Technology	2018	38		1300			5	Tulare
G-76698-A1	Ag UTV	Gasoline	1980	5	Uncontrolled Technology	2019	9		200			5	Stanislaus
G-76699-A1	Ag UTV	Gasoline	1984	7	Uncontrolled Technology	2019	6		300			5	Madera
G-76700-A1	Ag UTV	Gasoline	1984	7	Uncontrolled Technology	2019	6		300			5	Madera
G-76704-A1	Ag UTV	Gasoline	2005	5	Control Technology	2019	6		90			5	Tulare
G-76705-A1	Ag UTV	Diesel	2015	22	Tier 4 Final	2020	30		1732			5	Stanislaus
G-76711-A1	Ag UTV	Gasoline	2003	15	Uncontrolled Technology	2019	7		250			5	Merced
G-76712-A1	Ag UTV	Gasoline	2004	10	Uncontrolled Technology	2019	7		250			5	Merced
G-76722-A1	Ag UTV	Gasoline	1997	6	Uncontrolled Technology	2019	22		300			5	Kings
G-76735-A1	Ag UTV	Gasoline	2012	27	Control Technology	2019	6		200			5	Madera
G-76737-A1	Ag UTV	Gasoline	2012	27	Control Technology	2019	6		200			5	Madera
G-76745-A1	Ag UTV	Gasoline	2013	27	Control Technology	2019	6		200			5	Madera
G-76747-A1	Ag UTV	Gasoline	2013	27	Control Technology	2019	6		200			5	Madera
G-76748-A1	Ag UTV	Gasoline	2013	27	Control Technology	2019	6		200			5	Madera
G-76749-A1	Ag UTV	Gasoline	2014	27	Control Technology	2019	6		200			5	Madera
G-76750-A1	Ag UTV	Gasoline	2014	27	Control Technology	2019	6		200			5	Madera
G-76756-A1	Ag UTV	Gasoline	2014	27	Control Technology	2019	6		200			5	Madera
G-76757-A1	Ag UTV	Gasoline	2014	27	Control Technology	2019	6		200			5	Madera
G-76762-A1	Ag UTV	Gasoline	2014	27	Control Technology	2019	6		200			5	Madera
G-76763-A1	Ag UTV	Gasoline	2014	27	Control Technology	2019	6		200			5	Madera
G-76766-A1	Ag UTV	Gasoline	1988	15	Uncontrolled Technology	2019	30		300			5	Tulare
G-76767-A1	Ag UTV	Gasoline	2007	17	Control Technology	2019	36		900			5	Kern
G-76769-A1	Ag UTV	Gasoline	1997	27	Uncontrolled Technology	2019	40		900			5	Kern
G-76771-A1	Ag UTV	Diesel	2008	26	Tier 0	2019	6		250			5	Stanislaus
G-76774-A1	Ag UTV	Diesel	2007	25	Tier 0	2019	5		250			5	Stanislaus
G-76777-A1	Ag UTV	Gasoline	2004	23	Uncontrolled Technology	2020	40		500			5	Kern
G-76779-A1	Ag UTV	Gasoline	1998	15	Uncontrolled Technology	2020	30		500			5	Fresno

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Description Ag UTV Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-76875-A1	Ag UTV	Gasoline	2002	22	Uncontrolled Technology	2020	30		1500			5	Stanislaus
G-76877-A1	Ag UTV	Gasoline	2016	41	Control Technology	2019	22		1000			5	Stanislaus
G-76891-A1	Ag UTV	Gasoline	2004	2	Control Technology	2019	30		387			5	Fresno
G-76896-A1	Ag UTV	Gasoline	1980	7	Uncontrolled Technology	2019	30		100			5	Stanislaus
G-76901-A1	Ag UTV	Gasoline	2003	15	Uncontrolled Technology	2020	6		500			5	Fresno
G-76905-A1	Ag UTV	Gasoline	1999	27	Uncontrolled Technology	2019	30		55			5	Tulare
G-76906-A1	Ag UTV	Gasoline	1999	27	Uncontrolled Technology	2019	30		53			5	Tulare
G-76952-A1	Ag UTV	Gasoline	2005	44	Control Technology	2020	30		400			5	Merced
G-76957-A1	Ag UTV	Gasoline	1992	20	Uncontrolled Technology	2019	30		500			5	San Joaquin
G-76962-A1	Ag UTV	Gasoline	2004	16	Uncontrolled Technology	2019	30		200			5	San Joaquin
G-76965-A1	Ag UTV	Gasoline	1999	10	Uncontrolled Technology	2019	6		263			5	Tulare
G-76987-A1	Ag UTV	Gasoline	2001	27	Uncontrolled Technology	2019	30		100			5	Stanislaus
G-76990-A1	Ag UTV	Gasoline	2002	12	Uncontrolled Technology	2019	12		300			5	Stanislaus
G-76993-A1	Ag UTV	Gasoline	2007	28	Control Technology	2019	12		300			5	Stanislaus
G-77010-A1	Ag UTV	Gasoline	1999	22	Uncontrolled Technology	2018	38		1093			5	Tulare
G-77038-A1	Ag UTV	Gasoline	2009	12	Control Technology	2019	12		300			5	Madera
G-77040-A1	Ag UTV	Gasoline	2009	12	Control Technology	2019	12		300			5	Madera
G-77045-A1	Ag UTV	Gasoline	2009	12	Control Technology	2019	12		300			5	Madera
G-77046-A1	Ag UTV	Gasoline	2009	12	Control Technology	2019	12		300			5	Madera
G-77049-A1	Ag UTV	Gasoline	2009	12	Control Technology	2019	12		300			5	Madera
G-77054-A1	Ag UTV	Gasoline	2009	12	Control Technology	2019	12		300			5	Madera
G-77056-A1	Ag UTV	Gasoline	2006	23	Control Technology	2020	30		450			5	Stanislaus
G-77059-A1	Ag UTV	Gasoline	2003	23	Uncontrolled Technology	2020	30		450			5	Stanislaus
G-77066-A1	Ag UTV	Gasoline	1983	10	Uncontrolled Technology	2019	30		400			5	San Joaquin
G-77067-A1	Ag UTV	Gasoline	1995	15	Uncontrolled Technology	2019	30		350			5	Merced
G-77068-A1	Ag UTV	Diesel	2000	18	Tier 1	2019	30		350			5	Merced
G-77071-A1	Ag UTV	Gasoline	1982	10	Uncontrolled Technology	2019	22		300			5	Stanislaus
G-77072-A1	Ag UTV	Gasoline	2004	22	Uncontrolled Technology	2019	30		150			5	Stanislaus
G-77168-A1	Ag UTV	Gasoline	1980	13	Uncontrolled Technology	2019	6		150			5	Fresno
G-77178-A1	Ag UTV	Gasoline	2002	33	Uncontrolled Technology	2019	6		200			5	Fresno
G-77188-A1	Ag UTV	Gasoline	1999	27	Uncontrolled Technology	2019	6		100			5	Merced
G-77313-A1	Ag UTV	Gasoline	1995	13	Uncontrolled Technology	2020	30		150			5	Merced

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-77379-A1	Ag UTV	Gasoline	2006	23	Control Technology	2019	6		490			5	Kings
G-77383-A1	Ag UTV	Gasoline	2003	22	Uncontrolled Technology	2019	30		90			5	Stanislaus
G-77388-A1	Ag UTV	Gasoline	2004	6	Uncontrolled Technology	2019	30		800			5	Tulare
G-77451-A1	Ag UTV	Gasoline	2006	21	Control Technology	2020	30		200			5	Fresno
G-77473-A1	Ag UTV	Gasoline	1998	12	Uncontrolled Technology	2019	12		300			5	Merced
G-77474-A1	Ag UTV	Gasoline	2007	40	Control Technology	2020	30		1200			5	Kings
G-77475-A1	Ag UTV	Gasoline	2017	38	Control Technology	2020	30		1300			5	Kings
G-77476-A1	Ag UTV	Gasoline	2003	25	Uncontrolled Technology	2019	30		400			5	Merced
G-77477-A1	Ag UTV	Gasoline	2014	16	Control Technology	2020	30		1400			5	San Joaquin
G-77478-A1	Ag UTV	Gasoline	1998	28	Uncontrolled Technology	2019	38		450			5	Madera
G-77515-A1	Ag UTV	Gasoline	1995	20	Uncontrolled Technology	2019	23		300			5	San Joaquin
G-77517-A1	Ag UTV	Gasoline	1990	8	Uncontrolled Technology	2020	30		250			5	Tulare
G-77553-A1	Ag UTV	Gasoline	2011	17	Control Technology	2020	30		300			5	Fresno
G-77572-A1	Ag UTV	Gasoline	2012	20	Control Technology	2020	30		350			5	Fresno
G-77573-A1	Ag UTV	Gasoline	1985	13	Control Technology	2020	30		300			5	Fresno
G-77575-A1	Ag UTV	Gasoline	2012	20	Control Technology	2020	30		250			5	Fresno
G-77576-A1	Ag UTV	Gasoline	2011	17	Control Technology	2020	30		300			5	Fresno
G-77581-A1	Ag UTV	Gasoline	1985	13	Uncontrolled Technology	2020	30		300			5	Fresno
G-77584-A1	Ag UTV	Gasoline	2004	12	Uncontrolled Technology	2019	30		400			5	Fresno
G-77585-A1	Ag UTV	Gasoline	2001	12	Uncontrolled Technology	2019	12		330			5	Merced
G-77590-A1	Ag UTV	Gasoline	2007	12	Control Technology	2019	12		355			5	Merced
G-77592-A1	Ag UTV	Gasoline	2001	12	Uncontrolled Technology	2019	12		340			5	Merced
G-77601-A1	Ag UTV	Gasoline	1999	15	Uncontrolled Technology	2019	36		425			5	San Joaquin
G-77602-A1	Ag UTV	Gasoline	2005	5	Uncontrolled Technology	2019	30		60			5	Fresno
G-77603-A1	Ag UTV	Gasoline	2008	29	Control Technology	2020	30		195			5	San Joaquin
G-77604-A1	Ag UTV	Gasoline	2004	42	Control Technology	2018	38		500			5	Tulare
G-77608-A1	Ag UTV	Gasoline	2003	27	Uncontrolled Technology	2019	6		700			5	Madera
G-77613-A1	Ag UTV	Gasoline	2003	33	Uncontrolled Technology	2019	12		320			5	Merced
G-77617-A1	Ag UTV	Gasoline	2012	21	Control Technology	2020	30		400			5	Stanislaus
G-77622-A1	Ag UTV	Gasoline	2003	26	Uncontrolled Technology	2019	12		370			5	Madera
G-77623-A1	Ag UTV	Gasoline	2009	12	Control Technology	2019	12		390			5	Madera
G-77641-A1	Ag UTV	Gasoline	2006	12	Control Technology	2020	6		380			5	Madera

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-77644-A1	Ag UTV	Gasoline	2005	15	Control Technology	2019	30		100			5	Stanislaus
G-77645-A1	Ag UTV	Gasoline	2007	14	Control Technology	2019	6		750			5	Madera
G-77646-A1	Ag UTV	Gasoline	2007	14	Control Technology	2019	6		750			5	Madera
G-77666-A1	Ag UTV	Gasoline	2001	20	Uncontrolled Technology	2019	30		500			5	Merced
G-77668-A1	Ag UTV	Gasoline	2010	16	Control Technology	2019	38		500			5	Fresno
G-77670-A1	Ag UTV	Gasoline	2007	14	Control Technology	2019	6		750			5	Madera
G-77671-A1	Ag UTV	Gasoline	1998	19	Uncontrolled Technology	2019	6		300			5	Fresno
G-77672-A1	Ag UTV	Diesel	2006	60	Tier 2	2019	36		320			5	San Joaquin
G-77673-A1	Ag UTV	Diesel	2005	60	Tier 2	2019	36		435			5	San Joaquin
G-77699-A1	Ag UTV	Gasoline	2007	20	Control Technology	2020	30		2000			5	Stanislaus
G-77709-A1	Ag UTV	Gasoline	2002	45	Uncontrolled Technology	2019	30		50			5	Kern
G-77710-A1	Ag UTV	Gasoline	1999	18	Uncontrolled Technology	2019	30		50			5	Kern
G-77712-A1	Ag UTV	Gasoline	1994	18	Uncontrolled Technology	2019	30		50			5	Kern
G-77713-A1	Ag UTV	Gasoline	1987	20	Uncontrolled Technology	2019	30		50			5	Kern
G-77716-A1	Ag UTV	Gasoline	2004	27	Uncontrolled Technology	2019	30		50			5	Kern
G-77770-A1	Ag UTV	Gasoline	2007	32	Control Technology	2019	30		150			5	Merced
G-77771-A1	Ag UTV	Gasoline	2005	10	Control Technology	2019	22		825			5	Stanislaus
G-77773-A1	Ag UTV	Gasoline	2003	10	Uncontrolled Technology	2019	22		825			5	Stanislaus
G-77774-A1	Ag UTV	Gasoline	1983	12	Uncontrolled Technology	2020	30		100			5	Stanislaus
G-77775-A1	Ag UTV	Gasoline	2002	25	Uncontrolled Technology	2019	30		300			5	Tulare
G-77776-A1	Ag UTV	Gasoline	1985	15	Uncontrolled Technology	2019	30		1800			5	Stanislaus
G-77783-A1	Ag UTV	Gasoline	1984	12	Uncontrolled Technology	2019	30		1400			5	Stanislaus
G-77784-A1	Ag UTV	Gasoline	2005	17	Control Technology	2020	30		2500			5	Kern
G-77786-A1	Ag UTV	Gasoline	1997	17	Uncontrolled Technology	2020	30		2500			5	Kern
G-77788-A1	Ag UTV	Gasoline	1984	16	Uncontrolled Technology	2020	30		150			5	Stanislaus
G-77790-A1	Ag UTV	Gasoline	1984	16	Uncontrolled Technology	2020	30		100			5	Stanislaus
G-77792-A1	Ag UTV	Gasoline	1999	20	Uncontrolled Technology	2020	30		200			5	Stanislaus
G-77803-A1	Ag UTV	Gasoline	1985	30	Uncontrolled Technology	2019	30		501			5	Merced
G-77806-A1	Ag UTV	Gasoline	2005	17	Control Technology	2020	30		500			5	San Joaquin
G-77807-A1	Ag UTV	Gasoline	1998	37	Uncontrolled Technology	2019	36		700			5	Kern
G-77808-A1	Ag UTV	Gasoline	1988	23	Uncontrolled Technology	2020	30		250			5	Fresno
G-77832-A1	Ag UTV	Gasoline	1999	18	Uncontrolled Technology	2019	30		500			5	Stanislaus

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-77845-A1	Ag UTV	Gasoline	1983	6	Uncontrolled Technology	2019	30		650			5	San Joaquin
G-77847-A1	Ag UTV	Gasoline	1997	37	Uncontrolled Technology	2019	22		350			5	Stanislaus
G-77855-A1	Ag UTV	Gasoline	1983	13	Uncontrolled Technology	2019	38		260			5	Stanislaus
G-77857-A1	Ag UTV	Gasoline	1994	11	Uncontrolled Technology	2019	38		400			5	Stanislaus
G-77860-A1	Ag UTV	Gasoline	1986	17	Uncontrolled Technology	2019	22		200			5	Stanislaus
G-77861-A1	Ag UTV	Gasoline	1992	17	Uncontrolled Technology	2019	30		250			5	Fresno
G-77862-A1	Ag UTV	Gasoline	1995	23	Uncontrolled Technology	2020	30		100			5	Tulare
G-77863-A1	Ag UTV	Gasoline	1986	25	Uncontrolled Technology	2020	30		500			5	Stanislaus
G-77864-A1	Ag UTV	Gasoline	2002	36	Uncontrolled Technology	2019	12		300			5	Stanislaus
G-77866-A1	Ag UTV	Gasoline	2003	42	Uncontrolled Technology	2019	12		380			5	Merced
G-77867-A1	Ag UTV	Gasoline	2011	13	Control Technology	2018	12		3000			5	Merced
G-77869-A1	Ag UTV	Gasoline	1987	13	Uncontrolled Technology	2020	30		100			5	Tulare
G-77870-A1	Ag UTV	Gasoline	2001	30	Uncontrolled Technology	2020	30		200			5	Tulare
G-77871-A1	Ag UTV	Gasoline	1995	40	Uncontrolled Technology	2019	6		2900			5	Fresno
G-77911-A1	Ag UTV	Gasoline	2007	32	Control Technology	2020	30		1500			5	Kings
G-77914-A1	Ag UTV	Gasoline	1994	9	Uncontrolled Technology	2020	38		500			5	Stanislaus
G-77949-A1	Ag UTV	Gasoline	2006	32	Control Technology	2019	6		300			5	Fresno
G-78064-A1	Ag UTV	Gasoline	1993	19	Uncontrolled Technology	2019	22		200			5	Merced
G-78069-A1	Ag UTV	Gasoline	2002	35	Uncontrolled Technology	2020	30		300			5	San Joaquin
G-78072-A1	Ag UTV	Gasoline	2001	11	Uncontrolled Technology	2019	6		50			5	Fresno
G-78073-A1	Ag UTV	Gasoline	1989	10	Uncontrolled Technology	2019	30		100			5	Tulare
G-78079-A1	Ag UTV	Gasoline	2000	17	Uncontrolled Technology	2019	30		457			5	Fresno
G-78081-A1	Ag UTV	Gasoline	1984	13	Uncontrolled Technology	2020	30		300			5	Tulare
G-78093-A1	Ag UTV	Gasoline	1999	27	Uncontrolled Technology	2020	30		400			5	Stanislaus
G-78094-A1	Ag UTV	Gasoline	1992	14	Uncontrolled Technology	2019	6		100			5	Tulare
G-78100-A1	Ag UTV	Gasoline	2006	26	Control Technology	2018	22		500			5	Merced
G-78101-A1	Ag UTV	Gasoline	1984	13	Uncontrolled Technology	2019	40		750			5	San Joaquin
G-78103-A1	Ag UTV	Gasoline	1986	23	Uncontrolled Technology	2019	36		750			5	San Joaquin
G-78107-A1	Ag UTV	Gasoline	1986	17	Uncontrolled Technology	2019	36		750			5	San Joaquin
G-78108-A1	Ag UTV	Gasoline	1987	8	Uncontrolled Technology	2019	36		750			5	San Joaquin
G-78110-A1	Ag UTV	Gasoline	1997	17	Uncontrolled Technology	2019	40		750			5	San Joaquin
G-78115-A1	Ag UTV	Gasoline	2002	33	Uncontrolled Technology	2019	6		500			5	Fresno

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-78116-A1	Ag UTV	Gasoline	1997	10	Uncontrolled Technology	2019	6		250			5	Fresno
G-78117-A1	Ag UTV	Gasoline	2007	15	Control Technology	2019	6		250			5	Fresno
G-78118-A1	Ag UTV	Gasoline	2001	17	Uncontrolled Technology	2019	6		550			5	Fresno
G-78119-A1	Ag UTV	Gasoline	1992	22	Uncontrolled Technology	2019	4		500			5	Kern
G-78120-A1	Ag UTV	Gasoline	2001	19	Uncontrolled Technology	2019	22		550			5	Kern
G-78121-A1	Ag UTV	Gasoline	2003	20	Uncontrolled Technology	2020	30		200			5	Stanislaus
G-78122-A1	Ag UTV	Gasoline	2002	20	Uncontrolled Technology	2020	30		200			5	Stanislaus
G-78128-A1	Ag UTV	Gasoline	1989	19	Uncontrolled Technology	2019	38		200			5	Stanislaus
G-78129-A1	Ag UTV	Gasoline	2007	44	Control Technology	2019	30		700			5	San Joaquin
G-78130-A1	Ag UTV	Gasoline	1986	18	Uncontrolled Technology	2020	30		50			5	Stanislaus
G-78132-A1	Ag UTV	Gasoline	1985	30	Uncontrolled Technology	2019	30		500			5	Tulare
G-78133-A1	Ag UTV	Gasoline	2005	30	Control Technology	2019	30		92			5	Stanislaus
G-78169-A1	Ag UTV	Gasoline	1997	19	Uncontrolled Technology	2019	30		100			5	Fresno
G-78182-A1	Ag UTV	Gasoline	2007	7	Control Technology	2019	30		100			5	Fresno
G-78188-A1	Ag UTV	Diesel	2009	22	Tier 4 Interim	2020	30		400			5	Fresno
G-78325-A1	Ag UTV	Gasoline	1983	12	Uncontrolled Technology	2020	30		300			5	Stanislaus
G-78328-A1	Ag UTV	Gasoline	2006	45	Control Technology	2019	30		650			5	Stanislaus
G-78338-A1	Ag UTV	Gasoline	2009	12	Control Technology	2019	40		500			5	Fresno
G-78367-A1	Ag UTV	Gasoline	2014	22	Control Technology	2020	22		550			5	Kern
G-78368-A1	Ag UTV	Gasoline	2012	19	Control Technology	2020	22		650			5	Kern
G-78371-A1	Ag UTV	Diesel	2009	22	Tier 4 Interim	2019	30		425			5	Fresno
G-78378-A1	Ag UTV	Gasoline	1994	25	Uncontrolled Technology	2019	30		800			5	Stanislaus
G-78385-A1	Ag UTV	Gasoline	2003	41	Uncontrolled Technology	2019	22		300			5	Merced
G-78387-A1	Ag UTV	Gasoline	2006	17	Control Technology	2019	22		300			5	Merced
G-78388-A1	Ag UTV	Gasoline	2001	25	Uncontrolled Technology	2019	30		200			5	San Joaquin
G-78389-A1	Ag UTV	Gasoline	1993	20	Uncontrolled Technology	2019	30		140			5	Stanislaus
G-78399-A1	Ag UTV	Gasoline	2011	20	Control Technology	2019	8		1500			5	Merced
G-78400-A1	Ag UTV	Gasoline	2011	15	Control Technology	2019	30		300			5	Fresno
G-78419-A1	Ag UTV	Gasoline	2017	20	Uncontrolled Technology	2020	30		300			5	Fresno
G-78425-A1	Ag UTV	Gasoline	1999	30	Uncontrolled Technology	2020	30		1380			5	Tulare
G-78427-A1	Ag UTV	Gasoline	2002	14	Uncontrolled Technology	2020	30		300			5	Stanislaus
G-78429-A1	Ag UTV	Gasoline	2001	10	Uncontrolled Technology	2020	30		500			5	Madera

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-78430-A1	Ag UTV	Gasoline	1996	10	Uncontrolled Technology	2019	6		450			5	Madera
G-78432-A1	Ag UTV	Gasoline	1982	10	Uncontrolled Technology	2019	6		520			5	Fresno
G-78435-A1	Ag UTV	Gasoline	2004	17	Uncontrolled Technology	2019	6		3500			5	San Joaquin
G-78436-A1	Ag UTV	Gasoline	2002	9	Uncontrolled Technology	2019	22		200			5	Stanislaus
G-78437-A1	Ag UTV	Gasoline	2013	28	Control Technology	2019	22		92			5	San Joaquin
G-78440-A1	Ag UTV	Diesel	2007	41	Tier 4 Interim	2019	6		300			5	Fresno
G-78441-A1	Ag UTV	Gasoline	2007	13	Control Technology	2019	22		400			5	Stanislaus
G-78442-A1	Ag UTV	Gasoline	2003	24	Uncontrolled Technology	2019	22		164			5	San Joaquin
G-78443-A1	Ag UTV	Gasoline	2004	18	Uncontrolled Technology	2019	22		89			5	San Joaquin
G-78444-A1	Ag UTV	Gasoline	2004	18	Uncontrolled Technology	2019	22		91			5	San Joaquin
G-78445-A1	Ag UTV	Gasoline	2001	13	Uncontrolled Technology	2019	22		98			5	San Joaquin
G-78446-A1	Ag UTV	Gasoline	1991	19	Uncontrolled Technology	2019	22		66			5	San Joaquin
G-78455-A1	Ag UTV	Gasoline	2010	28	Control Technology	2019	22		87			5	San Joaquin
G-78456-A1	Ag UTV	Gasoline	2003	7	Uncontrolled Technology	2019	22		68			5	San Joaquin
G-78457-A1	Ag UTV	Gasoline	2007	14	Control Technology	2019	22		399			5	San Joaquin
G-78458-A1	Ag UTV	Gasoline	2006	14	Control Technology	2019	22		739			5	San Joaquin
G-78459-A1	Ag UTV	Gasoline	2007	14	Control Technology	2019	22		207			5	San Joaquin
G-78460-A1	Ag UTV	Gasoline	2004	14	Control Technology	2019	22		259			5	San Joaquin
G-78461-A1	Ag UTV	Gasoline	2007	14	Control Technology	2019	22		259			5	San Joaquin
G-78462-A1	Ag UTV	Gasoline	1998	14	Uncontrolled Technology	2019	22		162			5	San Joaquin
G-78505-A1	Ag UTV	Gasoline	1999	33	Uncontrolled Technology	2019	6		1000			5	Fresno
G-78523-A1	Ag UTV	Gasoline	2001	33	Uncontrolled Technology	2019	40		200			5	Merced
G-78783-A1	Ag UTV	Gasoline	2005	23	Uncontrolled Technology	2019	6		800			5	Merced
G-78784-A1	Ag UTV	Gasoline	1998	14	Uncontrolled Technology	2019	6		800			5	Merced
G-78785-A1	Ag UTV	Gasoline	2002	40	Uncontrolled Technology	2019	30		580			5	Stanislaus
G-78788-A1	Ag UTV	Gasoline	2016	18	Control Technology	2019	4		800			5	Fresno
G-78848-A1	Ag UTV	Gasoline	2014	40	Control Technology	2019	6		1000			5	Fresno
G-78849-A1	Ag UTV	Gasoline	1985	16	Uncontrolled Technology	2019	36		400			5	San Joaquin
G-78851-A1	Ag UTV	Gasoline	1985	16	Uncontrolled Technology	2019	36		400			5	San Joaquin
G-78854-A1	Ag UTV	Gasoline	2006	26	Control Technology	2020	36		1040			5	San Joaquin
G-78865-A1	Ag UTV	Gasoline	2001	17	Uncontrolled Technology	2019	6		3000			5	San Joaquin
G-78870-A1	Ag UTV	Gasoline	1984	8	Uncontrolled Technology	2019	22		500			5	San Joaquin

Project Type Off-Road

SJVAPCD Project Data 2020

Description Ag UTV Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-78877-A1	Ag UTV	Gasoline	1985	7	Uncontrolled Technology	2019	36		550			5	San Joaquin
G-78885-A1	Ag UTV	Gasoline	1992	10	Uncontrolled Technology	2020	16		1000			5	Fresno
G-78891-A1	Ag UTV	Diesel	2011	16	Tier 4 Interim	2019	36		2251			5	San Joaquin
G-78893-A1	Ag UTV	Diesel	2006	18	Tier 2	2020	30		3644			5	Merced
G-78896-A1	Ag UTV	Diesel	2006	21	Tier 2	2020	30		150			5	Tulare
G-78898-A1	Ag UTV	Gasoline	1986	15	Uncontrolled Technology	2018	38		100			5	Tulare
G-78901-A1	Ag UTV	Gasoline	2011	28	Control Technology	2020	30		1000			5	Fresno
G-78904-A1	Ag UTV	Gasoline	2004	20	Uncontrolled Technology	2019	40		1000			5	San Joaquin
G-78908-A1	Ag UTV	Gasoline	1990	38	Uncontrolled Technology	2020	30		1095			5	Tulare
G-78913-A1	Ag UTV	Gasoline	1989	8	Uncontrolled Technology	2019	30		450			5	Fresno
G-78919-A1	Ag UTV	Gasoline	2008	15	Control Technology	2019	30		350			5	Merced
G-78921-A1	Ag UTV	Gasoline	2001	16	Uncontrolled Technology	2020	30		350			5	Merced
G-78924-A1	Ag UTV	Gasoline	2008	14	Control Technology	2019	30		300			5	Merced
G-78927-A1	Ag UTV	Gasoline	2008	14	Control Technology	2019	30		300			5	Merced
G-78929-A1	Ag UTV	Gasoline	1989	13	Uncontrolled Technology	2020	30		250			5	Kern
G-78948-A1	Ag UTV	Gasoline	2015	22	Control Technology	2019	30		730			5	Fresno
G-78953-A1	Ag UTV	Gasoline	1987	10	Uncontrolled Technology	2020	30		120			5	San Joaquin
G-78955-A1	Ag UTV	Gasoline	1993	15	Uncontrolled Technology	2020	30		1000			5	Stanislaus
G-78956-A1	Ag UTV	Gasoline	2004	7	Control Technology	2020	30		400			5	Stanislaus
G-78961-A1	Ag UTV	Gasoline	2009	23	Control Technology	2019	22		250			5	Merced
G-78969-A1	Ag UTV	Gasoline	2004	9	Uncontrolled Technology	2019	30		300			5	Kings
G-78987-A1	Ag UTV	Gasoline	2005	6	Control Technology	2020	30		500			5	Fresno
G-78991-A1	Ag UTV	Diesel	2005	22	Tier 2	2020	30		1800			5	Madera
G-79003-A1	Ag UTV	Gasoline	2002	10	Uncontrolled Technology	2020	30		1500			5	Madera
G-79008-A1	Ag UTV	Gasoline	2009	14	Control Technology	2020	30		1500			5	Madera
G-79019-A1	Ag UTV	Gasoline	2003	18	Uncontrolled Technology	2019	22		150			5	San Joaquin
G-79020-A1	Ag UTV	Gasoline	2007	10	Control Technology	2020	30		25			5	Stanislaus
G-79022-A1	Ag UTV	Gasoline	2005	33	Uncontrolled Technology	2019	30		200			5	Fresno
G-79025-A1	Ag UTV	Gasoline	2001	10	Uncontrolled Technology	2019	6		75			5	Tulare
G-79030-A1	Ag UTV	Gasoline	2007	7	Control Technology	2020	30		2800			5	Stanislaus
G-79031-A1	Ag UTV	Gasoline	2007	7	Control Technology	2020	30		360			5	Stanislaus
G-79033-A1	Ag UTV	Diesel	2012	52	Tier 4 Interim	2019	6		300			5	Fresno

Project Type Off-Road

SJVAPCD Project Data 2020

Description Ag UTV Replacement

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-79038-A1	Ag UTV	Gasoline	2005	23	Control Technology	2019	6		120			5	Tulare
G-79039-A1	Ag UTV	Gasoline	2012	40	Control Technology	2019	6		300			5	Madera
G-79073-A1	Ag UTV	Gasoline	1982	10	Uncontrolled Technology	2019	6		200			5	Fresno
G-79074-A1	Ag UTV	Gasoline	1986	8	Uncontrolled Technology	2019	30		800			5	Fresno
G-79093-A1	Ag UTV	Gasoline	1992	32	Uncontrolled Technology	2020	30		300			5	Stanislaus
G-79094-A1	Ag UTV	Gasoline	2017	7	Uncontrolled Technology	2019	30		400			5	Fresno
G-79095-A1	Ag UTV	Gasoline	2013	8	Control Technology	2020	30		500			5	Stanislaus
G-79097-A1	Ag UTV	Diesel	2005	20	Tier 1	2020	30		500			5	Stanislaus
G-79100-A1	Ag UTV	Diesel	2012	22	Tier 2	2018	30		1229			5	Kern
G-79103-A1	Ag UTV	Gasoline	1987	7	Uncontrolled Technology	2019	30		1095			5	Tulare
G-79106-A1	Ag UTV	Gasoline	1987	7	Uncontrolled Technology	2019	30		1095			5	Tulare
G-79108-A1	Ag UTV	Gasoline	2007	10	Control Technology	2019	6		200			5	Fresno
G-79110-A1	Ag UTV	Gasoline	2007	23	Control Technology	2019	6		200			5	Fresno
G-79112-A1	Ag UTV	Gasoline	2005	41	Control Technology	2019	6		200			5	Fresno
G-79120-A1	Ag UTV	Gasoline	1996	20	Uncontrolled Technology	2020	30		500			5	San Joaquin
G-79128-A1	Ag UTV	Gasoline	1982	13	Uncontrolled Technology	2020	30		100			5	Tulare
G-79140-A1	Ag UTV	Gasoline	2003	18	Uncontrolled Technology	2019	38		500			5	Merced
G-79142-A1	Ag UTV	Gasoline	1998	36	Uncontrolled Technology	2019	38		500			5	Merced
G-79143-A1	Ag UTV	Gasoline	2002	12	Uncontrolled Technology	2020	30		300			5	Tulare
G-79145-A1	Ag UTV	Gasoline	2013	13	Control Technology	2019	6		600			5	Madera
G-79146-A1	Ag UTV	Gasoline	2001	20	Uncontrolled Technology	2020	30		100			5	Kings
G-79148-A1	Ag UTV	Gasoline	2014	57	Control Technology	2020	30		100			5	Kings
G-79150-A1	Ag UTV	Gasoline	1986	25	Uncontrolled Technology	2020	30		250			5	San Joaquin
G-79154-A1	Ag UTV	Gasoline	1994	38	Uncontrolled Technology	2020	40		1000			5	San Joaquin
G-79155-A1	Ag UTV	Gasoline	2005	10	Control Technology	2020	30		250			5	Stanislaus
G-79165-A1	Ag UTV	Gasoline	1984	13	Uncontrolled Technology	2019	30		1825			5	Stanislaus
G-79166-A1	Ag UTV	Gasoline	2010	10	Control Technology	2019	22		300			5	Stanislaus
G-79167-A1	Ag UTV	Gasoline	2007	25	Control Technology	2020	40		1000			5	San Joaquin
G-79168-A1	Ag UTV	Gasoline	1994	10	Uncontrolled Technology	2020	40		500			5	San Joaquin
G-79170-A1	Ag UTV	Gasoline	2005	7	Control Technology	2019	36		500			5	Kern
G-79193-A1	Ag UTV	Gasoline	1998	15	Uncontrolled Technology	2019	6		200			5	Merced
G-79197-A1	Ag UTV	Gasoline	1997	12	Uncontrolled Technology	2020	30		300			5	Tulare

Project Type Off-Road

Description Ag UTV Replacement

SJVAPCD Project Data 2020

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-79204-A1	Ag UTV	Gasoline	2004	25	Uncontrolled Technology	2020	30		150			5	Stanislaus
G-79208-A1	Ag UTV	Gasoline	1997	22	Uncontrolled Technology	2019	30		40			5	Fresno
G-79209-A1	Ag UTV	Diesel	2010	21	Tier 3	2019	22		300			5	Stanislaus
G-79213-A1	Ag UTV	Diesel	2012	22	Tier 0	2019	6		1000			5	Fresno
G-79214-A1	Ag UTV	Diesel	2006	22	Tier 0	2019	6		1000			5	Fresno
G-79215-A1	Ag UTV	Gasoline	2006	32	Control Technology	2020	30		90			5	Tulare
G-79216-A1	Ag UTV	Diesel	2007	22	Tier 2	2019	6		100			5	Tulare
G-79220-A1	Ag UTV	Gasoline	2010	16	Control Technology	2020	30		200			5	Merced
G-79222-A1	Ag UTV	Gasoline	1988	20	Uncontrolled Technology	2019	30		500			5	Madera
G-79223-A1	Ag UTV	Gasoline	2005	17	Control Technology	2020	36		2190			5	Stanislaus
G-79225-A1	Ag UTV	Gasoline	1984	8	Uncontrolled Technology	2020	30		25			5	Stanislaus
G-79232-A1	Ag UTV	Gasoline	1989	8	Uncontrolled Technology	2019	6		400			5	San Joaquin
G-79233-A1	Ag UTV	Diesel	2009	20	Tier 0	2020	30		750			5	Kings
G-79235-A1	Ag UTV	Gasoline	1992	9	Uncontrolled Technology	2019	6		400			5	San Joaquin
G-79238-A1	Ag UTV	Gasoline	2001	20	Uncontrolled Technology	2020	30		300			5	Stanislaus
G-79239-A1	Ag UTV	Diesel	1997	19	Tier 0	2019	6		800			5	Fresno
G-79240-A1	Ag UTV	Gasoline	2006	17	Control Technology	2020	38		1200			5	Kern
G-79242-A1	Ag UTV	Diesel	2007	22	Tier 2	2019	6		75			5	Tulare
G-79246-A1	Ag UTV	Gasoline	1991	20	Uncontrolled Technology	2019	40		500			5	Kern
G-79247-A1	Ag UTV	Gasoline	1987	8	Uncontrolled Technology	2019	30		200			5	Fresno
G-79248-A1	Ag UTV	Gasoline	1985	8	Uncontrolled Technology	2020	30		100			5	Stanislaus
G-79249-A1	Ag UTV	Gasoline	2006	46	Control Technology	2020	30		250			5	Tulare
G-79250-A1	Ag UTV	Gasoline	1996	30	Uncontrolled Technology	2020	30		200			5	San Joaquin
G-79252-A1	Ag UTV	Gasoline	2007	25	Uncontrolled Technology	2020	30		400			5	San Joaquin
G-79253-A1	Ag UTV	Gasoline	2007	13	Control Technology	2019	36		500			5	San Joaquin
G-79254-A1	Ag UTV	Gasoline	1990	20	Uncontrolled Technology	2020	30		760			5	Stanislaus
G-79256-A1	Ag UTV	Gasoline	2011	8	Control Technology	2020	30		600			5	Stanislaus
G-79258-A1	Ag UTV	Gasoline	2007	10	Control Technology	2019	4		300			5	Kings
G-79259-A1	Ag UTV	Diesel	2007	20	Tier 1	2019	22		400			5	Merced
G-79260-A1	Ag UTV	Gasoline	1992	16	Uncontrolled Technology	2019	30		800			5	Fresno
G-79281-A1	Ag UTV	Gasoline	2002	10	Uncontrolled Technology	2019	22		1000			5	Merced
G-79299-A1	Ag UTV	Gasoline	2006	41	Control Technology	2020	30		1000			5	Stanislaus

Project Type Off-Road

Description Ag UTV Replacement

SJVAPCD Project Data 2020

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-79465-A1	Ag UTV	Gasoline	2002	15	Uncontrolled Technology	2020	36		245			5	Kern
G-79466-A1	Ag UTV	Gasoline	1995	10	Uncontrolled Technology	2019	36		400			5	San Joaquin
G-79468-A1	Ag UTV	Gasoline	1984	8	Uncontrolled Technology	2019	22		50			5	Stanislaus
G-79469-A1	Ag UTV	Gasoline	1994	19	Uncontrolled Technology	2020	30		250			5	Fresno
G-79506-A1	Ag UTV	Gasoline	2007	23	Control Technology	2020	30		900			5	Merced
G-79507-A1	Ag UTV	Gasoline	2007	31	Control Technology	2020	36		208			5	San Joaquin
G-79508-A1	Ag UTV	Gasoline	1995	29	Uncontrolled Technology	2020	36		260			5	San Joaquin
G-79511-A1	Ag UTV	Gasoline	2004	12	Control Technology	2019	22		500			5	Stanislaus
G-79518-A1	Ag UTV	Gasoline	2005	28	Control Technology	2020	30		900			5	Merced
G-79519-A1	Ag UTV	Gasoline	1986	8	Uncontrolled Technology	2019	22		300			5	Stanislaus
G-79520-A1	Ag UTV	Gasoline	1988	8	Uncontrolled Technology	2019	22		300			5	Stanislaus
G-79522-A1	Ag UTV	Gasoline	2007	25	Control Technology	2019	38		800			5	Merced
G-79524-A1	Ag UTV	Diesel	1998	33	Tier 1	2020	30		150			5	San Joaquin
G-79526-A1	Ag UTV	Gasoline	1999	12	Uncontrolled Technology	2020	12		480			5	Merced
G-79546-A1	Ag UTV	Gasoline	2000	12	Uncontrolled Technology	2019	6		400			5	Madera
G-79595-A1	Ag UTV	Gasoline	1985	13	Uncontrolled Technology	2019	6		350			5	Fresno
G-79611-A1	Ag UTV	Gasoline	1996	27	Uncontrolled Technology	2019	30		170			5	Fresno
G-79630-A1	Ag UTV	Gasoline	1989	11	Uncontrolled Technology	2019	6		400			5	San Joaquin
G-79654-A1	Ag UTV	Gasoline	1998	41	Uncontrolled Technology	2019	30		250			5	Madera
G-79655-A1	Ag UTV	Gasoline	1986	23	Uncontrolled Technology	2019	30		250			5	Madera
G-79661-A1	Ag UTV	Gasoline	2000	23	Uncontrolled Technology	2019	30		250			5	Madera
G-79662-A1	Ag UTV	Gasoline	1994	41	Uncontrolled Technology	2019	30		250			5	Madera
G-79663-A1	Ag UTV	Diesel	2004	18	Tier 1	2019	30		250			5	Madera
G-79670-A1	Ag UTV	Diesel	2004	18	Tier 1	2019	30		250			5	Madera
G-79671-A1	Ag UTV	Gasoline	2004	44	Uncontrolled Technology	2020	36		400			5	Merced
G-79672-A1	Ag UTV	Gasoline	1994	19	Uncontrolled Technology	2020	22		50			5	Stanislaus
G-79673-A1	Ag UTV	Gasoline	1979	6	Uncontrolled Technology	2020	22		50			5	San Joaquin
G-79677-A1	Ag UTV	Gasoline	2001	13	Uncontrolled Technology	2019	6		100			5	Tulare
G-79678-A1	Ag UTV	Gasoline	2005	32	Control Technology	2020	30		300			5	Fresno
G-79679-A1	Ag UTV	Gasoline	1996	20	Uncontrolled Technology	2019	22		120			5	San Joaquin
G-79680-A1	Ag UTV	Gasoline	2009	35	Control Technology	2019	38		100			5	Tulare
G-79682-A1	Ag UTV	Gasoline	2006	14	Control Technology	2019	36		800			5	Kern

Project Type Off-Road

Description Ag UTV Replacement

SJVAPCD Project Data 2020

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage	Annual Usage	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
G-79683-A1	Ag UTV	Gasoline	2000	35	Uncontrolled Technology	2020	30		310			5	Stanislaus
G-79684-A1	Ag UTV	Gasoline	1983	13	Uncontrolled Technology	2020	30		100			5	Fresno
G-79685-A1	Ag UTV	Gasoline	1983	13	Uncontrolled Technology	2020	30		50			5	Madera
G-79687-A1	Ag UTV	Gasoline	1983	13	Uncontrolled Technology	2019	30		250			5	Fresno
G-79689-A1	Ag UTV	Gasoline	1983	13	Uncontrolled Technology	2019	30		150			5	Stanislaus
G-79698-A1	Ag UTV	Gasoline	2005	43	Control Technology	2019	38		50			5	Merced
G-79700-A1	Ag UTV	Gasoline	2000	21	Uncontrolled Technology	2020	30		175			5	Stanislaus
G-79702-A1	Ag UTV	Gasoline	1991	37	Uncontrolled Technology	2020	36		250			5	San Joaquin
G-79851-A1	Ag UTV	Gasoline	1992	20	Uncontrolled Technology	2019	30		500			5	Fresno
G-79857-A1	Ag UTV	Gasoline	2008	14	Control Technology	2020	23		1200			5	Kern
G-79868-A1	Ag UTV	Gasoline	1993	28	Uncontrolled Technology	2019	23		1000			5	Kern
G-79871-A1	Ag UTV	Gasoline	2005	16	Control Technology	2019	23		600			5	Stanislaus
G-79873-A1	Ag UTV	Gasoline	1983	16	Uncontrolled Technology	2019	30		250			5	Fresno
G-79879-A1	Ag UTV	Gasoline	2012	16	Control Technology	2019	40		350			5	San Joaquin
G-79885-A1	Ag UTV	Gasoline	2016	16	Control Technology	2020	40		400			5	San Joaquin
G-79887-A1	Ag UTV	Gasoline	2001	14	Uncontrolled Technology	2019	23		225			5	Stanislaus
G-79890-A1	Ag UTV	Gasoline	2011	26	Control Technology	2019	23		225			5	Stanislaus
G-79912-A1	Ag UTV	Gasoline	2007	3	Control Technology	2020	30		150			5	Stanislaus
G-79920-A1	Ag UTV	Gasoline	2003	11	Uncontrolled Technology	2020	30		225			5	Merced
G-80168-A1	Ag UTV	Gasoline	1993	8	Uncontrolled Technology	2019	6		275			5	Fresno
G-80839-A1	Ag UTV	Gasoline	2016	16	Control Technology	2019	40		360			5	San Joaquin
G-81806-A1	Ag UTV	Gasoline	2008	31	Control Technology	2020	30		257			5	Tulare
G-83218-A1	Ag UTV	Gasoline	1988	10	Uncontrolled Technology	2020	30		1000			5	Tulare
G-83926-A1	Ag UTV	Gasoline	2007	6	Control Technology	2019	6		300			5	Stanislaus

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Appendix B
NRCS Combustion System Improvement Program Project Information

Project Type NRCS EQIP

Description Vehicle Replacement

NRCS Project Data 2020

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
3130	Tractor	Diesel	1977	75	Tier 0	2017	90	Tier 4 Final	900			10	San Joaquin
3131	Tractor	Diesel	1974	80	Tier 0	2018	61	Tier 4 Final	900			10	San Joaquin
3132	Tractor	Diesel	1976	50	Tier 0	2018	63	Tier 4 Final	350			10	San Joaquin
3133	Tractor	Diesel	2003	92	Tier 1	2016	70	Tier 4 Final	1,000			10	San Joaquin
3134	Tractor	Diesel	1982	47	Tier 0	2018	54	Tier 4 Final	100			10	San Joaquin
3135	Skid Steer Loader	Diesel	2004	81	Tier 2	2017	74	Tier 4 Final	900			10	San Joaquin
3136	Tractor	Diesel	1996	80	Tier 0	2019	74	Tier 4 Final	1,000			10	San Joaquin
3137	Forage Harvester	Diesel	2007	782	Tier 2	2018	775	Tier 4 Final	350			10	San Joaquin
3138	Tractor	Diesel	1995	350	Tier 0	2018	420	Tier 4 Final	1,000			10	San Joaquin
3139	Tractor	Diesel	1989	96	Tier 0	2016	98	Tier 4 Final	1,000			10	San Joaquin
3140	Tractor	Diesel	1988	70	Tier 0	2018	74	Tier 4 Final	585			10	San Joaquin
3141	Tractor	Diesel	1975	47	Tier 0	2018	54	Tier 4 Final	375			10	San Joaquin
3142	Tractor	Diesel	1988	101	Tier 0	2018	74	Tier 4 Final	344			10	San Joaquin
3143	Tractor	Diesel	1957	48	Tier 0	2018	57	Tier 4 Final	178			10	San Joaquin
3144	Loader	Diesel	2004	148	Tier 2	2017	158	Tier 4 Final	800			10	San Joaquin
3145	Tractor	Diesel	1978	98	Tier 0	2018	114	Tier 4 Final	250			10	San Joaquin
3146	Tractor	Diesel	2006	96	Tier 2	2018	108	Tier 4 Final	600			10	San Joaquin
3147	Tractor	Diesel	1996	100	Tier 0	2018	120	Tier 4 Final	800			10	San Joaquin
3148	Tractor	Diesel	1957	48	Tier 0	2018	57	Tier 4 Final	200			10	San Joaquin
3149	Tractor	Diesel	1993	86	Tier 0	2018	100	Tier 4 Final	700			10	Madera
3150	Tractor	Diesel	1976	50	Tier 0	2018	55	Tier 4 Final	550			10	Fresno
3151	Tractor	Diesel	1987	69	Tier 0	2018	65	Tier 4 Final	800			10	Fresno
3152	Tractor	Diesel	1980	84	Tier 0	2019	100	Tier 4 Final	800			10	Fresno
3153	Tractor	Diesel	1996	45	Tier 0	2015	54	Tier 4 Final	1,000			10	Fresno
3154	Tractor	Diesel	2003	110	Tier 2	2018	113	Tier 4 Final	1,500			10	Fresno
3155	Tractor	Diesel	1972	58	Tier 0	2018	65	Tier 4 Final	200			10	Fresno
3156	Tractor	Diesel	1982	84	Tier 0	2018	74	Tier 4 Final	400			10	San Joaquin
3157	Tractor	Diesel	1965	130	Tier 0	2018	115	Tier 4 Final	250			10	San Joaquin
3158	Tractor	Diesel	1970	61	Tier 0	2016	57	Tier 4 Final	600			10	San Joaquin
3159	Tractor	Diesel	1994	360	Tier 0	2018	420	Tier 4 Final	1,500			10	Madera
3160	Tractor	Diesel	1980	31	Tier 0	2016	36	Tier 4 Final	550			10	Madera
3161	Tractor	Diesel	1979	48	Tier 0	2017	60	Tier 4 Final	553			10	Madera

Project Type NRCS EQIP

Description Vehicle Replacement

NRCS Project Data 2020

Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
3162	Tractor	Diesel	2005	99	Tier 2	2019	100	Tier 4 Final	800			10	Fresno
3163	Tractor	Diesel	1977	180	Tier 0	2018	120	Tier 4 Final	200			10	Fresno
3164	Tractor	Diesel	1971	116	Tier 0	2017	114	Tier 4 Final	1,000			10	Fresno
3165	Tractor	Diesel	1960	37	Tier 0	2019	37	Tier 4 Final	300			10	Merced
3166	Tractor	Diesel	1988	97	Tier 0	2018	115	Tier 4 Final	500			10	Merced
3167	Tractor	Diesel	1975	58	Tier 0	2018	73	Tier 4 Final	500			10	Merced
3168	Tractor	Diesel	1975	68	Tier 0	2017	85	Tier 4 Final	300			10	Merced
3169	Shaker	Diesel	2007	155	Tier 2	2019	174	Tier 4 Final	250			10	Madera
3170	Tractor	Diesel	1966	104	Tier 0	2019	115	Tier 4 Final	700			10	Tulare
3171	Tractor	Diesel	1962	220	Tier 0	2018	270	Tier 4 Final	800			10	Tulare
3172	Tractor	Diesel	1985	60	Tier 0	2017	74	Tier 4 Final	200			10	Tulare
3173	Tractor	Diesel	1968	84	Tier 0	2019	100	Tier 4 Final	200			10	Tulare
3174	Tractor	Diesel	1987	92	Tier 0	2017	106	Tier 4 Final	1,800			10	Tulare
3175	Tractor	Diesel	1999	122	Tier 1	2019	112	Tier 4 Final	2,000			10	Tulare
3176	Tractor	Diesel	1977	97	Tier 0	2017	106	Tier 4 Final	2,000			10	Tulare
3177	Tractor	Diesel	2004	108	Tier 2	2018	114	Tier 4 Final	2,000			10	Tulare
3178	Tractor	Diesel	1999	120	Tier 1	2017	92	Tier 4 Final	2,000			10	Tulare
3179	Tractor	Diesel	1996	88	Tier 0	2017	92	Tier 4 Final	2,000			10	Tulare
3180	Tractor	Diesel	1984	128	Tier 0	2016	155	Tier 4 Final	1,200			10	Tulare
3181	Tractor	Diesel	2000	53	Tier 1	2018	55	Tier 4 Final	1,200			10	Tulare
3182	Tractor	Diesel	2000	53	Tier 1	2018	55	Tier 4 Final	1,200			10	Tulare
3183	Tractor	Diesel	1987	73	Tier 0	2018	70	Tier 4 Final	150			10	Tulare
3184	Tractor	Diesel	1974	140	Tier 0	2017	107	Tier 4 Final	200			10	Tulare
3185	Tractor	Diesel	1990	95	Tier 0	2018	108	Tier 4 Final	200			10	Tulare
3186	Tractor	Diesel	2001	105	Tier 1	2017	115	Tier 4 Final	450			10	Tulare
3187	Catch-All	Diesel	1960	125	Tier 0	2017	130	Tier 3	200			10	Tulare
3188	Catch-All	Diesel	1960	125	Tier 0	2017	130	Tier 3	200			10	Tulare
3189	Tractor	Diesel	1999	98	Tier 1	2018	90	Tier 4 Final	200			10	Tulare
3190	Tractor	Diesel	1961	49	Tier 0	2017	53	Tier 4 Final	200			10	Fresno
3191	Tractor	Diesel	1979	84	Tier 0	2017	94	Tier 4 Final	500			10	Fresno
3192	Tractor	Diesel	1969	100	Tier 0	2018	115	Tier 4 Final	400			10	Fresno
3193	Tractor	Diesel	1989	95	Tier 0	2018	100	Tier 4 Final	600			10	Fresno

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Description Vehicle Replacement

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
3194	Tractor	Diesel	1999	95	Tier 1	2017	115	Tier 4 Final	150			10	Fresno
3195	Tractor	Diesel	1986	104	Tier 0	2017	115	Tier 4 Final	700			10	Fresno
3196	Tractor	Diesel	1991	95	Tier 0	2016	95	Tier 4 Final	500			10	Fresno
3197	Tractor	Diesel	1995	95	Tier 0	2018	106	Tier 4 Final	500			10	Fresno
3198	Tractor	Diesel	1984	261	Tier 0	2018	115	Tier 4 Final	400			10	Fresno
3199	Tractor	Diesel	1993	63	Tier 0	2019	75	Tier 4 Final	500			10	Fresno
3200	Tractor	Diesel	2006	98	Tier 2	2018	107	Tier 4 Final	500			10	San Joaquin
3201	Tractor	Diesel	2005	95	Tier 2	2018	107	Tier 4 Final	500			10	San Joaquin
3202	Tractor	Diesel	1997	425	Tier 1	2018	450	Tier 4 Final	500			10	San Joaquin
3203	Tractor	Diesel	1990	375	Tier 0	2018	470	Tier 4 Final	1,100			10	San Joaquin
3204	Tractor	Diesel	1981	62	Tier 0	2018	73	Tier 4 Final	500			10	San Joaquin
3205	Rough Terrain Forklift	Diesel	1978	58	Tier 0	2018	74	Tier 4 Final	300			10	San Joaquin
3206	Tractor	Diesel	1983	65	Tier 0	2018	75	Tier 4 Final	300			10	San Joaquin
3207	Tractor	Diesel	1998	84	Tier 1	2017	101	Tier 4 Final	800			10	San Joaquin
3208	Tractor	Diesel	1999	110	Tier 1	2017	115	Tier 4 Final	250			10	Tulare
3209	Rough Terrain Forklift	Diesel	1982	63	Tier 0	2018	74	Tier 4 Final	120			10	Tulare
3210	Tractor	Diesel	1999	104	Tier 1	2019	125	Tier 4 Final	1,200			10	Madera
3211	Tractor	Diesel	1994	33	Tier 0	2017	32	Tier 4 Final	1,000			10	Madera
3212	Tractor	Diesel	1979	32	Tier 0	2016	32	Tier 4 Final	600			10	Madera
3213	Tractor	Diesel	2009	95	Tier 3	2018	115	Tier 4 Final	800			10	Fresno
3214	Tractor	Diesel	1972	114	Tier 0	2018	100	Tier 4 Final	150			10	Fresno
3215	Tractor	Diesel	1994	36	Tier 0	2017	33	Tier 4 Final	1,000			10	Madera
3216	Tractor	Diesel	2000	96	Tier 1	2019	115	Tier 4 Final	1,000			10	Fresno
3217	Tractor	Diesel	1987	81	Tier 0	2019	100	Tier 4 Final	500			10	Fresno
3218	Tractor	Diesel	1979	31	Tier 0	2016	32	Tier 4 Final	600			10	Madera
3219	Tractor	Diesel	1979	32	Tier 0	2016	32	Tier 4 Final	600			10	Madera
3220	Tractor	Diesel	2000	88	Tier 1	2016	107	Tier 4 Final	500			10	Madera
3221	Tractor	Diesel	2006	102	Tier 2	2018	120	Tier 4 Final	600			10	Fresno
3222	Tractor	Diesel	1994	102	Tier 0	2018	115	Tier 4 Final	700			10	Tulare
3223	Tractor	Diesel	1990	103	Tier 0	2017	100	Tier 4 Final	200			10	Tulare
3224	Backhoe Loader	Diesel	1990	104	Tier 0	2019	107	Tier 4 Final	320			10	Tulare
3225	Tractor	Diesel	1978	81	Tier 0	2019	93	Tier 4 Final	250			10	Tulare

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Description Vehicle Replacement

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
3226	Tractor	Diesel	1996	110	Tier 0	2018	130	Tier 4 Final	500			10	Fresno
3227	Tractor	Diesel	2006	102	Tier 2	2018	75	Tier 4 Final	600			10	Fresno
3228	Tractor	Diesel	1980	48	Tier 0	2016	60	Tier 4 Final	300			10	Fresno
3229	Shredder	Diesel	1989	380	Tier 0	2017	450	Tier 3	800			10	Tulare
3230	Forklift	Diesel	1969	90	Tier 0	2017	75	Tier 4 Interim	800			10	Tulare
3231	Tractor	Diesel	1991	25	Tier 0	2018	33	Tier 4 Final	500			10	Tulare
3232	Tractor	Diesel	1991	25	Tier 0	2018	33	Tier 4 Final	500			10	Tulare
3233	Tractor	Diesel	1992	80	Tier 0	2017	100	Tier 4 Final	800			10	Tulare
3234	Tractor	Diesel	1991	25	Tier 0	2018	33	Tier 4 Final	500			10	Tulare
3235	Forklift	Diesel	1999	75	Tier 1	2017	74	Tier 4 Interim	800			10	Tulare
3236	Tractor	Diesel	1994	25	Tier 0	2017	33	Tier 4 Final	500			10	Tulare
3237	Tractor	Diesel	1999	89	Tier 1	2017	100	Tier 4 Final	400			10	Tulare
3238	Tractor	Diesel	1979	85	Tier 0	2018	100	Tier 4 Final	300			10	Fresno
3239	Tractor	Diesel	1977	55	Tier 0	2018	65	Tier 4 Final	300			10	Tulare
3240	Tractor	Diesel	1984	144	Tier 0	2017	117	Tier 4 Final	600			10	Tulare
3241	Tractor	Diesel	1969	116	Tier 0	2018	125	Tier 4 Final	600			10	Tulare
3242	Tractor	Diesel	2006	105	Tier 2	2018	125	Tier 4 Final	500			10	Tulare
3243	Tractor	Diesel	1979	60	Tier 0	2018	74	Tier 4 Final	350			10	Fresno
3244	Shaker	Diesel	1981	175	Tier 0	2018	185	Tier 4 Final	300			10	Fresno
3245	Tractor	Diesel	1982	30	Tier 0	2018	38	Tier 4 Final	350			10	Fresno
3246	Shaker	Diesel	2003	155	Tier 2	2019	174	Tier 4 Final	300			10	Fresno
3247	Tractor	Diesel	1982	187	Tier 0	2018	114	Tier 4 Final	500			10	Fresno
3248	Tractor	Diesel	1978	80	Tier 0	2019	92	Tier 4 Final	500			10	Fresno
3249	Tractor	Diesel	1980	80	Tier 0	2017	100	Tier 4 Final	800			10	Fresno
3250	Tractor	Diesel	1978	88	Tier 0	2017	107	Tier 4 Final	150			10	Fresno
3251	Sweeper	Diesel	1994	40	Tier 0	2018	48	Tier 4 Final	400			10	Merced
3252	Tractor	Diesel	1992	46	Tier 0	2017	53	Tier 4 Final	300			10	Merced
3253	Tractor	Diesel	1963	57	Tier 0	2017	71	Tier 4 Final	150			10	Merced
3254	Tractor	Diesel	1986	81	Tier 0	2018	86	Tier 4 Final	300			10	Merced
3255	Shaker	Diesel	2003	39	Tier 1	2018	48	Tier 4 Final	300			10	Merced
3256	Tractor	Diesel	1970	103	Tier 0	2018	106	Tier 4 Final	200			10	Madera
3257	Tractor	Diesel	1998	95	Tier 1	2016	86	Tier 4 Final	400			10	Madera

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Description Vehicle Replacement

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
3258	Tractor	Diesel	1996	78	Tier 0	2018	59	Tier 4 Final	300			10	Merced
3259	Tractor	Diesel	1976	280	Tier 0	2018	310	Tier 4 Final	300			10	Merced
3260	Tractor	Diesel	1992	120	Tier 0	2018	100	Tier 4 Final	300			10	Stanislaus
3261	Tractor	Diesel	1978	98	Tier 0	2019	100	Tier 4 Final	400			10	Stanislaus
3262	Tractor	Diesel	1993	104	Tier 0	2018	117	Tier 4 Final	400			10	Stanislaus
3263	Tractor	Diesel	1978	160	Tier 0	2019	125	Tier 4 Final	350			10	Stanislaus
3264	Tractor	Diesel	1982	109	Tier 0	2019	125	Tier 4 Final	325			10	Stanislaus
3265	Tractor	Diesel	1988	102	Tier 0	2018	117	Tier 4 Final	500			10	Stanislaus
3266	Tractor	Diesel	1968	110	Tier 0	2019	114	Tier 4 Final	360			10	Fresno
3267	Tractor	Diesel	1973	67	Tier 0	2017	61	Tier 4 Final	1,500			10	Fresno
3268	Tractor	Diesel	1975	52	Tier 0	2019	55	Tier 4 Final	280			10	Fresno
3269	Tractor	Diesel	1979	47	Tier 0	2018	58	Tier 4 Final	650			10	Fresno
3270	Tractor	Diesel	1979	73	Tier 0	2018	74	Tier 4 Final	650			10	Fresno
3271	Tractor	Diesel	1985	102	Tier 0	2018	107	Tier 4 Final	800			10	Fresno
3272	Tractor	Diesel	1981	97	Tier 0	2019	115	Tier 4 Final	250			10	Fresno
3273	Tractor	Diesel	1975	102	Tier 0	2019	125	Tier 4 Final	500			10	Fresno
3274	Tractor	Diesel	2005	102	Tier 2	2019	125	Tier 4 Final	500			10	Fresno
3275	Tractor	Diesel	1985	73	Tier 0	2019	90	Tier 4 Final	350			10	Fresno
3276	Tractor	Diesel	1998	104	Tier 1	2019	115	Tier 4 Final	240			10	Fresno
3277	Tractor	Diesel	1977	97	Tier 0	2018	115	Tier 4 Final	300			10	Fresno
3278	Tractor	Diesel	1960	45	Tier 0	2018	40	Tier 4 Final	140			10	Madera
3279	Tractor	Diesel	1978	67	Tier 0	2019	74	Tier 4 Final	300			10	Madera
3280	Tractor	Diesel	1986	68	Tier 0	2019	90	Tier 4 Final	300			10	Madera
3281	Tractor	Diesel	1996	108	Tier 0	2019	125	Tier 4 Final	450			10	Madera
3282	Shaker	Diesel	1998	125	Tier 1	2018	74	Tier 4 Final	300			10	Madera
3283	Tractor	Diesel	1975	151	Tier 0	2018	117	Tier 4 Final	500			10	San Joaquin
3284	Tractor	Diesel	1983	72	Tier 0	2019	77	Tier 4 Final	400			10	San Joaquin
3285	Tractor	Diesel	1997	360	Tier 1	2017	370	Tier 4 Final	1,100			10	San Joaquin
3286	Tractor	Diesel	1967	93	Tier 0	2019	115	Tier 4 Final	750			10	San Joaquin
3287	Backhoe Loader	Diesel	1970	58	Tier 0	2016	47	Tier 4 Final	225			10	San Joaquin
3288	Tractor	Diesel	1998	100	Tier 1	2018	117	Tier 4 Final	750			10	San Joaquin
3289	Tractor	Diesel	1980	84	Tier 0	2017	105	Tier 4 Final	400			10	San Joaquin

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Description Vehicle Replacement

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
3290	Tractor	Diesel	1983	201	Tier 0	2017	195	Tier 4 Final	1,000			10	San Joaquin
3291	Tractor	Diesel	1988	71	Tier 0	2018	74	Tier 4 Final	500			10	San Joaquin
3292	Tractor	Diesel	2002	87	Tier 1	2019	107	Tier 4 Final	600			10	San Joaquin
3293	Tractor	Diesel	1990	88	Tier 0	2017	105	Tier 4 Final	650			10	San Joaquin
3294	Tractor	Diesel	1974	76	Tier 0	2019	74	Tier 4 Final	150			10	San Joaquin
3295	Tractor	Diesel	1964	114	Tier 0	2018	100	Tier 4 Final	450			10	San Joaquin
3296	Tractor	Diesel	1970	60	Tier 0	2019	63	Tier 4 Final	125			10	San Joaquin
3297	Tractor	Diesel	1998	72	Tier 1	2018	84	Tier 4 Final	315			10	San Joaquin
3298	Tractor	Diesel	1992	88	Tier 0	2018	110	Tier 4 Final	400			10	San Joaquin
3299	Tractor	Diesel	1984	290	Tier 0	2017	360	Tier 4 Final	1,000			10	San Joaquin
3300	Tractor	Diesel	2000	43	Tier 1	2017	48	Tier 4 Final	1,000			10	San Joaquin
3301	Tractor	Diesel	1980	84	Tier 0	2018	105	Tier 4 Final	1,000			10	San Joaquin
3302	Tractor	Diesel	1980	76	Tier 0	2019	93	Tier 4 Final	300			10	San Joaquin
3303	Tractor	Diesel	2006	90	Tier 2	2018	84	Tier 4 Final	350			10	San Joaquin
3304	Tractor	Diesel	1999	33	Tier 1	2018	38	Tier 4 Final	245			10	San Joaquin
3305	Tractor	Diesel	1986	81	Tier 0	2018	92	Tier 4 Final	350			10	San Joaquin
3306	Tractor	Diesel	1991	79	Tier 0	2018	95	Tier 4 Final	500			10	San Joaquin
3307	Tractor	Diesel	1979	130	Tier 0	2019	130	Tier 4 Final	1,000			10	San Joaquin
3308	Tractor	Diesel	1975	163	Tier 0	2016	108	Tier 4 Final	200			10	San Joaquin
3309	Tractor	Diesel	1984	67	Tier 0	2019	75	Tier 4 Final	500			10	Fresno
3310	Tractor	Diesel	1972	53	Tier 0	2018	65	Tier 4 Final	100			10	Fresno
3311	Tractor	Diesel	1998	71	Tier 1	2018	70	Tier 4 Final	500			10	Fresno
3312	Tractor	Diesel	1975	63	Tier 0	2018	74	Tier 4 Final	500			10	Fresno
3313	Combine/Chopper	Diesel	2005	185	Tier 2	2018	197	Tier 4 Final	650			10	Tulare
3314	Swather	Diesel	2005	185	Tier 2	2018	197	Tier 4 Final	800			10	Tulare
3315	Loader	Diesel	1980	63	Tier 0	2017	63	Tier 4 Final	500			10	San Joaquin
3316	Tractor	Diesel	1975	84	Tier 0	2019	99	Tier 4 Final	700			10	San Joaquin
3317	Tractor	Diesel	1990	79	Tier 0	2019	74	Tier 4 Final	200			10	San Joaquin
3318	Loader	Diesel	1995	83	Tier 0	2017	90	Tier 4 Final	450			10	Kern
3319	Loader	Diesel	1993	27	Tier 0	2017	33	Tier 4 Final	400			10	Kern
3320	Catch-All	Diesel	1960	125	Tier 0	2018	142	Tier 4 Final	200			10	Tulare
3321	Tractor	Diesel	1978	42	Tier 0	2019	52	Tier 4 Final	600			10	Tulare

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
3322	Tractor	Diesel	2008	80	Tier 2	2019	100	Tier 4 Final	500			10	Tulare
3323	Tractor	Diesel	1998	225	Tier 1	2018	230	Tier 4 Final	1,000			10	Tulare
3324	Tractor	Diesel	1997	120	Tier 1	2019	135	Tier 4 Final	580			10	Tulare
3325	Tractor	Diesel	1995	86	Tier 0	2019	100	Tier 4 Final	550			10	Tulare
3326	Tractor	Diesel	2003	92	Tier 1	2019	100	Tier 4 Final	1,000			10	Tulare
3327	Catch-All	Diesel	1979	115	Tier 0	2018	142	Tier 4 Final	300			10	Tulare
3328	Tractor	Diesel	1963	96	Tier 0	2019	115	Tier 4 Final	300			10	Tulare
3329	Sprayer	Diesel	1981	68	Tier 0	2018	74	Tier 4 Final	300			10	Tulare
3330	Sprayer	Diesel	1974	69	Tier 0	2018	74	Tier 4 Final	300			10	Tulare
3331	Rough Terrain Forklift	Diesel	1983	70	Tier 0	2018	74	Tier 4 Final	150			10	Tulare
3332	Tractor	Diesel	1977	77	Tier 0	2019	90	Tier 4 Final	520			10	Tulare
3333	Tractor	Diesel	1988	97	Tier 0	2016	114	Tier 4 Final	1,000			10	Tulare
3334	Tractor	Diesel	1964	45	Tier 0	2019	55	Tier 4 Final	800			10	Fresno
3335	Tractor	Diesel	1991	28	Tier 0	2018	35	Tier 4 Final	150			10	Fresno
3336	Tractor	Diesel	1997	102	Tier 1	2019	110	Tier 4 Final	600			10	Fresno
3337	Tractor	Diesel	1967	115	Tier 0	2018	125	Tier 4 Final	550			10	Fresno
3338	Tractor	Diesel	1989	90	Tier 0	2019	100	Tier 4 Final	800			10	Fresno
3339	Tractor	Diesel	1993	65	Tier 0	2019	75	Tier 4 Final	400			10	Fresno
3340	Tractor	Diesel	1990	72	Tier 0	2018	65	Tier 4 Final	500			10	Fresno
3341	Tractor	Diesel	1991	97	Tier 0	2018	115	Tier 4 Final	300			10	Fresno
3342	Tractor	Diesel	1976	48	Tier 0	2018	55	Tier 4 Final	200			10	Fresno
3343	Tractor	Diesel	1975	179	Tier 0	2012	200	Tier 4 In-Alt N	400			10	Stanislaus
3344	Tractor	Diesel	1988	96	Tier 0	2019	115	Tier 4 Final	800			10	Fresno
3345	Skid Steer Loader	Diesel	1980	72	Tier 0	2019	74	Tier 4 Final	400			10	Stanislaus
3346	Tractor	Diesel	1987	54	Tier 0	2019	66	Tier 4 Final	1,000			10	Stanislaus
3347	Tractor	Diesel	1974	87	Tier 0	2018	75	Tier 4 Final	1,000			10	Merced
3348	Tractor	Diesel	1981	56	Tier 0	2019	67	Tier 4 Final	500			10	Merced
3349	Tractor	Diesel	1984	77	Tier 0	2018	90	Tier 4 Final	200			10	Merced
3350	Tractor	Diesel	1985	95	Tier 0	2018	100	Tier 4 Final	300			10	Merced
3351	Tractor	Diesel	1975	72	Tier 0	2019	73	Tier 4 Final	200			10	Merced
3352	Tractor	Diesel	2001	110	Tier 1	2019	132	Tier 4 Final	1,460			10	Merced
3353	Tractor	Diesel	1977	52	Tier 0	2019	50	Tier 4 Final	800			10	Merced

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Project #	Primary Function	Fuel Type	Baseline Yr	Old HP	Old Tier	New Eng Yr	New HP	New Tier	Annual Usage (Hours)	Annual Usage (Miles)	Annual Usage (Fuel)	Project Life (Yrs)	Location (County)
3354	Tractor	Diesel	1982	79	Tier 0	2018	55	Tier 4 Final	800			10	Merced
3355	Tractor	Diesel	1995	100	Tier 0	2019	115	Tier 4 Final	1,000			10	Merced
3356	Tractor	Diesel	1998	89	Tier 1	2018	100	Tier 4 Final	300			10	Merced
3357	Tractor	Diesel	1993	104	Tier 0	2016	99	Tier 4 Final	200			10	Merced
3358	Tractor	Diesel	1993	120	Tier 0	2019	145	Tier 4 Final	1,000			10	Merced
3359	Tractor	Diesel	1992	120	Tier 0	2019	145	Tier 4 Final	1,200			10	Merced
3360	Shaker	Diesel	1998	125	Tier 1	2016	148	Tier 4 Final	600			10	Stanislaus
3361	Tractor	Diesel	1998	100	Tier 1	2019	115	Tier 4 Final	400			10	Kings
3362	Tractor	Diesel	1965	71	Tier 0	2018	74	Tier 4 Final	800			10	Kings
3363	Tractor	Diesel	1999	100	Tier 1	2018	125	Tier 4 Final	500			10	Kings
3364	Tractor	Diesel	1989	43	Tier 0	2018	45	Tier 4 Final	500			10	Kings
3365	Tractor	Diesel	1984	93	Tier 0	2019	115	Tier 4 Final	150			10	Kings
3366	Tractor	Diesel	1997	97	Tier 0	2019	114	Tier 4 Final	400			10	Kings
3367	Loader	Diesel	1967	75	Tier 0	2019	74	Tier 4 Final	156			10	Kings

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