## NEVADA IRRIGATION DISTRICT

## FLEE MANAGEMENT

October 25, 2023

## INTRODUCTION

#### Presenter

### **Jonathan Hoover**

Equipment Mechanic Supervisor Maintenance Department / Shop Operations



### **Objective**

To review new CARB fleet regulations and how NID is evaluating and preparing for the future in all areas of "fleet management."

## QVERVIEW

## CALIFORNIA AIR RESOURCES BOARD CARB

- Advanced Clean Fleets Regulation (ACFR)
- Small Off-Road Engine (SORE) Regulation
- Portable Equipment Registration Program (PERP) Regulation <u>and</u> Portable Engine Airborne Toxic Control Measure (ATCM)
- In-Use Off-Road Diesel-Fueled Fleets Regulation (Off-Road Regulation)



#### ACFR – Advanced Clean Fleets Regulation

CARB is developing a medium and heavy-duty zero-emission fleet regulation with the goal of achieving a zero-emission truck and bus California fleet by 2045 everywhere feasible ... Certain agencies, including NID, have more aggressive / tiered compliance deadlines.

- Applies to any state or local government agency with jurisdiction in California that owns, leases, or operates a vehicle with a manufacturer's gross vehicle weight rating (GVWR) greater than 8,500 lbs.
- Proposed Regulation Order: Section 2013 State and Local Government Fleet Applicability, Definitions and General Requirements



#### ACFR:

Applies to 3/4-ton\* pickup trucks and larger (1/2-tons are exempt), according to the following vehicle classifications:

Class 2b through 3 – GVWR >8,500 lbs. and ≤14,000 lbs.

- Class 4 GVWR >14,000 lbs. and ≤16,000 lbs.
- Class 5 GVWR >16,000 lbs. and ≤19,500 lbs.
- **Class 6** GVWR >19,500 lbs. and ≤26,000 lbs.
- Class 7 GVWR >26,000 lbs. and ≤33,000 lbs.
- Class 8 GVWR >33,000 lbs.



\* For reference purposes only, a 3/4-ton pickup truck is equivalent to a Ford F-250 or Dodge 2500.



#### ACFR:

- CARB-designated "low population" counties
  - Nevada and Yuba <u>are</u> designated as low population counties
  - Placer is <u>not</u> designated as a low population county
  - Because NID's operating area (jurisdiction) includes Placer County, NID must be compliant with certain CARB regulations on a more accelerated schedule than agencies that operate solely in counties designated as low population

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#### ACFR:

- General Requirements
  - Starting January 1, 2024

50% of the total number of vehicle additions to NID's fleet in each calendar year must be zero-emission vehicles (ZEVs)

Starting January 1, 2027

**100%** of the total number of vehicle <u>additions</u> to NID's fleet in each calendar year must be ZEVs



#### SORE – Small Off-Road Engines Regulation

Small Off-Road Engines (SORE) are spark-ignition engines rated at or below 19 kilowatts (25 hp). The SORE regulation requires new engines to be certified and labeled to meet emission standards and other requirements.

- Requires emission standards of zero for most <u>new</u> engines, starting with model year 2024
- Portable generators and pressure washers with an engine displacement greater than 225 cc are required to meet more stringent emission standards starting with model year 2024, and emissions standards of zero starting with model year 2028



#### SORE:

 Small off-road engines are used in lawn and garden equipment, portable generators, pressure washers, other outdoor power equipment and specialty vehicles



#### SORE:

- CARB does not regulate existing CARB-compliant small off-road engines
- Diesel engines and engines used in stationary equipment, including standby generators, are not subject to this regulation
- Equipment excluded from this regulation include: air compressors, chain saws ≥45 cc, other saws (concrete, masonry, cut-off), chippers, light towers, pumps ≥40 cc, shredders and grinders, stationary generators, stump grinders and welders

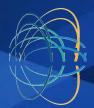






#### **PERP – Portable Equipment Registration Program Regulation**

Owners or Operators of portable engines and other types of equipment can register their units under PERP in order to operate their equipment throughout California without having to obtain individual permits from local air districts.



#### ATCM – Portable Engine Airborne Toxic Control Measure

*The purpose of the ATCM is to reduce diesel particulate matter (PM) emission from portable diesel-fueled engines having a rated horsepower of 50 and greater (*250 hp).



#### PERP & ATCM:

NID has portable air compressors, brush chippers and generators registered with PERP



#### PERP & ATCM:

- All fleets are classified as <u>either</u> a small fleet (cumulative horsepower of ≤750), or a large fleet (cumulative horsepower of >750)
- Small fleets must follow the tier phase-out schedule
- Large fleets must follow either the phase-out schedule <u>or</u> meet the fleet-average emission standards
- NID is following the large fleet tier phase-out schedule



(required f		out Schedule efault option for la	arge fleets)									
Engine	Engines rated 50 to 750 bhp Engines rat											
Certification	Large Fleet	Small Fleet	>750 bhp									
Tier 1	1/1/2020	1/1/2020	1/1/2022									
Tier 2 built prior to 1/1/2009	1/1/2022	1/1/2023	1/1/2025									
Tier 2 built on or after 1/1/2009	NA	NA	1/1/2027									
Tier 3 built prior to 1/1/2009	1/1/2025	1/1/2027	NA									
Tier 3 built on or after 1/1/2009	1/1/2027	1/1/2029	NA									
Tier 1, 2, and 3 flexibility engines	manufacture. This pr	year 17 years after th rovision shall not appl e effective date of this	y to any engine									





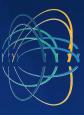
#### **Off-Road Regulation – In-Use Off-Road Diesel-Fueled Fleets Regulation**

The goal is to reduce particulate matter (PM) and oxides of nitrogen (NOx) emissions from in-use (existing) off-road heavy-duty diesel vehicles in California. The regulation covers a wide scope of vehicle types used in (but not limited to) industries as diverse as construction, air travel, manufacturing, landscaping, and ski resorts.

- Applies to all self-propelled off-road diesel vehicles ≥25 hp used in California and most 2-engine vehicles (except on-road 2-engine sweepers), including vehicles that are rented or leased (rental or leased fleets)
- Not all of NID's off-road fleet is reportable to CARB







#### RETIREMENT / REPLACEMENT

NID's process for retiring or replacing vehicles and equipment has evolved from a standard 10-year / 100,000 miles threshold to an individual scoring process, based on duty cycle and maintenance records.

#### **Currently, NID utilizes the following:**

- NID Scoring Sheets
- CARB-Supplied Calculators



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NID

CIP Project Information Sheet 2024-2028 Annual Budget

Project Nam	ie:		Project No.:
Dept.	Asset #:		Priority Ranking: <u>0</u>
Facility:		_ Facility #:	Division #:
Project Manager:		Construc	ted by: To be determined
New Construction:	Replacement:	Upgrades:	Multiple Phases:
CEQA:	Permits:		ROW:

Project Purpose: (Problem Statement)

Project Description: (Proposed Solution)

Basis for Priority:

Notes:

Expense	Prior Years Actual	Amendments campwes/treambances	2024	2025	2026	2027	2028	TOTAL
Consulting/Studies								0
Design/Engineering								0
Permitting/CEQA								C
Construction								0
Right of Way								٥
Other:								0
Total:	0	0	0	0	0	0	0	0
Funding Sources								
Source	Prior Year Actual	Amendments Carrynvers/Phoimbiances	2024	2025	2026	2027	2028	TOTAL
								C
								C
								C
Total:	0	0	0	0	0	0	0	ſ

#### Capital Improvement Project Scoring Sheet

Project Name:	Project No.:	
Criteria	Scoring	Score
1. Capital Costs	<ul> <li>10 Points = Lower Future Capital Costs</li> <li>5 Points = No Impact</li> <li>0 Points = Higher Future Capital Costs</li> </ul>	
2. Annual O & M Costs	10 Points = Lower Operating Costs 5 Points = No Impact 0 Points = Higher Operating Costs	
3. Increased Revenue Potential	10 Points = Higher Revenues 5 Points = No Impact 9 Points = Lower Revenues	
4. Health & Safety	10 Points = Reduces Threat/Impact to Health & Safety 5 Points = No Impact 9 Points = Increases Threat/Impact to Health & Safety	
5. Environmental	10 Points = Improves/Reduces Impacts to Environment 5 Points = No Impact 0 Points = Increases Threat/Impact to Environment	
6. Distributional or Hydro Generation Effects	10 Points = Project has Regional Benefit or Improves Generation 5 Points = Project has Limited Benefit or Improved Generation 0 Points = No Impact	
7. Critical Infrastructure and Risk to Service Disruption.	<ul> <li>10 Points = Deferral will Significantly Impact Disruption to Service</li> <li>5 Points = Deferral will Moderately Impact Disruption to Service</li> <li>0 Points = No Impact if Deferred</li> </ul>	
8. Board Strategic Plan/Goals	10 Points = Meets Strategic Plan/Goals Set by the Board 5 Points = Important Project, but Not Critical 0 Points = Does Not Meet Strategic Plan/Goals of the Board	
9. Certainty of Project Funding	<ul> <li>5 Points = Funded by Existing Revenue Source</li> <li>2-3 Points = Requires Outside Funds High Likelihood of Obtaining</li> <li>0 Points = Requires Outside Funding Low Likelihood of Obtaining</li> </ul>	
10. Associated Revenue to Offset Maintenance Costs	<ul> <li>S Points = Will Have Associated Revenue to Offset Maintenance Costs</li> <li>2-3 Points = Will Have Associated Revenue to Offset Some Costs</li> <li>0 Points = Asset Will Have No Change to Associated Revenue</li> </ul>	
11. Improves and/or Increases Level of Service	10 Points = Project Improves Level of Service 5 Points = Project Maintains Existing Level of Service 0 Points = Project Impacts Existing Level of Service	
Max Score: 100	Total Prioritization Score:	0

Factors:			Points																	
Age			1 point for	each ye	ar of servic	e.														
Miles/hr	5.		1 point/10	,000 mil	es															
Service t	ype		1 point for	light du	ity, up to 5 p	points for	severe servi	ce.												
			1-5 points	for freq	uency of rep	bairs need	ed.													
Reliabilit	ty							e repairs/mont	th											
						ntenance	and repair co	osts												
	repair costs		1 point/10																	
Conditio	n and use	1	1-5 points	for over	all conditio	on and use	fulness					-	-							
	Points Ranges				-															
under 18	Condition I		Excell	ant																
18 - 27	Condition II		Goo										Updated		DP	ICES ARE INCR	FASED 5% ANNUA	LLY FOR INFLATIO	N	
over 27	Condition III		Replace										basis, where					REPLACEMENT	•	
over 27	Condition III	1	керіасе	ment								-	applicable			ENTATIVE 5	CHEDULE FOR	REPLACEIVIEINT		
Year	Vehicle/Equipment # Description	Miles/Hrs.	Mileage	Age	Miles/Hrs	Service	Reliabilty	Lifetime	Condition And	Dept or	Eval Score	Service life	Original Cost	Designation	22/23	23/24	24/25	25/26	26/27	Comment
			date	score	score	Туре		Repair Cost	Usefulness	Division		left	or updated							
	- -			v	-	v	v	v	~	<b>v</b>			basis 💌	v	-	V		V	-	~
											0	27								
	1										0	27			0	0	-	0	0	
2014	10614 2014 Ford F150	131424	8/19/22	9	13	2	1	3	2	OPS		-3	22385		31339	32458	33578	34697	35816	
2015	10694 2015 Ford F150	139563	8/21/22	8	14	2	1	3	2	OPS		-3	24073		32499	33702	34906	36110	37313	
2015	10692 2015 Ford F150	124299	8/21/22	8	12	2	1	3	2	OPS	28	-1	24073		32499	33702		36110	37313	
2015	10690 2015 Ford F150	118485	8/18/22	8	12	2	1	3	2	OPS	28	-1	24073		32499	33702		36110	37313	
2013	10533 2013 Ford F150	122477	8/22/22	10	12	2	1	3	2	OPS	30	-3	21866		31706	32799	33892	34986	36079	
2016	10722 2016 Ford F150	120866	7/31/22	7	12	2	1	3	2	OPS	27	0	23470		30511	31685	32858	34032	35205	
				0	0						0	27				0	0	0	0	
				0	0						0	27			0	0	-	0	0	
2008	H5185 2008 Toyota Tundra	140897	8/9/22	15	14	4	1	1	2	HYDRO		-10	27261		46344	47707		50433	51796	
2014	H5372 2014 Ford F150	143122	8/9/22	9	14	4	1	3	2	HYDRO		-6	25862		36207	37500		40086	41379	
2014	H5373 2014 Ford F15-	145596	8/9/22	9	15	4	1	3	2	HYDRO	34	-7	25862		36207	37500		40086	41379	
2016	H5438 2016 Polaris Ranger	8400	8/9/22	7	8	4	4	4	3	HYDRO	30	-3	22589		29366	30495		32754		8-10,000 Mile life.
				0	0						0	27			0	0	0	0	0	
				0	0						0	27			0	0		0	0	
		00700	0.00.000	0	0						0	27			0	0	0	0	0	
2007	9648 2007 GMC 3500 FB	93739	8/22/22	16	9	4	3	5	4	MAINT	41	-14	28921		50612	52058	53504	54950	56396	
2000	8627 2000 Ford F350 DUMP	138780	8/3/22	23	14	3	3	5	4	MAINT	52	-25	32672		68611	70245		73512	75146	
2008	9913 2008 Ford F350 Dump	97756	8/16/22	15	10	3	1	4	4	MAINT	37	-10	40342		68581	70599		74633	76650	
2011	10261 2011 Ford F350 Dump	101940	8/17/22	12	10	3	2	5	4	MAINT	36	-9	43386		67248	69418		73756	75926	
2012	10439 2012 JD 35D Excavator	6554	3/10/22	11	26	4	3	5	3	MAINT	52	-25	50817		76226	78766		83848	86389	
2009	10096 2009 CAT 308D Excavator	7726	7/20/22	14	15 6	4	3	5	3	MAINT	44	-17	96058		158496	163299		172904	177707	
2013	10461 2013 JD 825i GATOR XUV	2971	11/22/21	10	-	3	4	5	2	VEG	30	-3	12324		17870	18486		19718	20335	ODO in HOURS
2022 2009		80456	8/8/22	1 14	0	3	1	4	3	MAINT	1	26			0	0	0	0	0	
	10003 2009 KW 5YD Dump (2022)	89519	8/8/22	14	8	3	1	4	3	MAINT	33	-6	80960		133584	137632		145728	149776	
2009 2022	10004 2009 KW 5D Dump (2022)	09519	0/1/22	14	9	3		4	3	MANNI	34	-7 26	80960		133584	137632		145728	149776	
2022				1	0							26			0	0	0	0	0	
2022				1	0						-	26			0	0	0	0	0	
2022				1	0						1	26			0	0	0	0	0	
2022				1	0						1	26			0	0	0	0	0	
2022				1	0					1	1	26			0	0	0	0	0	
LULL				2023	0						2023	-1996			0	0	0	0	0	
				2023	0						2023	-1996			0	0	0	0	0	
				2023	0						2023	-1996			0	0	0	0	0	
			<u> </u>	LULJ	•					<u> </u>		-1990			0	0	0	0	0	

Iftor Filest Size Category         Each Category         Category Category         Category Determination         2025 Fleet Index         Piet Average Target Met?         2025 Fleet Target Met?         Piet Target Met?         2025 Fleet Target Met?         Average Target Target Met?         Piet Target Met?         BACT Compliance Date         Credits to Date         Credits For 2025         Credits Over for 1/1/2025         Credits for 2025         Credits Met?         Credits Over for 1/1/2025         Credits for 2025         Credits Met?	Potentially	y Eligle for (	Optional Comp	liance Sched	lule?	No	C	ARB Calo	ulator -	- Off-F	Road Flo	eet Con	nplian	ce by	1/1/202	5
All Remaining Vehicles Exempt from this Year's BACT Requirem         Clock release Calce in a Calcer in provide Oak Prior Not Oak Prior Constraints         Piease Click on Headings for Pop-Up Information           Federal or State-Owned Fleet?         Actions taken on fleet between January 1, 2024 and December 31, 2024           Total Processor         BACT         Zazz Fleet         Verrage Prior         State Topine Constraints         Carried Carried Carried Carried Carried Carried Varage Index Average Fleet         Additions         Additions         State Topine Constraints         Carried Carried Carried Varage Index Average Prior 11/2024         Carried Carried Carried Varage Index Average Prior 11/2024         Carried Carried Varage Index Average Prior 11/2024         Model Varies Prior 11/2024         Carried Prior 11/2024         Carried Varage Prior 11/2024         Model Varies Prior 11/2024         Carried Varage Prior 11/2024         Model Varies Prior 11/2024         Model Prior 11/2024         Model Varies Prior 11/2024         Model Prior 11/2024	Recent Ad	ldition of a	Restricted Veh	icle?		No										
Federal or state.0wned Fleet?         Actions taken on fleet between January 1, 2024 and December 31, 2024           Total Fleet Inserve Carsegov Carse	Presence	of Tier 0 or	Tier 1 Not Des	ignated as I	Permanent Low-	Yes	Click He	re for a Quick Ti	o on How to	Use This Ca	alculator		Gene	rating BAC	T Credits	
Total fact         Histophore Not Year's BACT         Smallest Press         Smallest Press <th< td=""><td>All Remain</td><td>ning Vehicle</td><td>es Exempt fron</td><td>n this Year's</td><td>s BACT Requirem</td><td></td><td></td><td></td><td>Please 0</td><td>lick on H</td><td>leadings fo</td><td>or Pop-Up</td><td>Informati</td><td>on</td><td></td><td></td></th<>	All Remain	ning Vehicle	es Exempt fron	n this Year's	s BACT Requirem				Please 0	lick on H	leadings fo	or Pop-Up	Informati	on		
Horsepow er (for Fleet Size Category)         Used for Next Versor         Used for BACT         Used for BACT         Engine 2025 Fleet Size Category         Photopsi (for Pleet Size Category)         Extra BACT Category         Carefits Carefits Carefits         Credits Carefits Carefits         Additions Carefits         Engine BACT         Engine Carefits         Engine Pleets         Engine Earled         Engine Pleets         Engine Pleets         Engine Pleets         Additions         Additions         Engine Pleets         Pleets	Federal or	State-Own	ed Fleet?					Actions tak	en on flee	t betwee	en Januar	y 1, 2024	and De	cember	31, 2024	
Your Wehicle IN Vehicle Type (Required)         Crighte Horsepower (Required)         Retified or Low-Use Designation s         Put VDECS Level % Reduction         Put VDECS trainse Year / % Reduction         Emission Estimator         Other Factor if Non- Standard         Emission s         Other Factor if Non- Standard         Emission s         Effect on Field Age Factor if Non- Standard         Effect on Standard         Emission s         Other Factor if Non- Standard         Emission s         Effect on Field Age Factor if Non- Standard         Effect on Standard         Emission s         Other Factor if Non- Standard         Emission s         Titer Factor if Non- Standard         Emission Standard         Titer Factor if Non- Standard         Emission Factor if Non- Standard         Character Factor if Non- Standard         Character Factor if Non- Standard         Emission Factor if Non- Standard         Character Factor if Non- Standard         Character Factor if Non- Standard         Character Factor if Non- Standard         Character Factor if Non-	Horsepow er (for Fleet Size	and the second second second	(Used for Next Year's BACT Requirement	Average		Fleet Average		Rounding Carried Over from 1/1/2024 Compliance	BACT Requiremen	Credits Earned	Extra BACT Credits Carried Over for	Credits Available	I BACT Credits Needed	BACT	Engine Rounding Carried Over to	Extra BACT Credit for 1/1/2026
Your Vehicle IN Vehicle IN Vehic	2476	Small	2476	3.5	3.4		247		247	0		0	247	NO	0	0
VU8/34         Immunol (mmunol (mmunol )         H5476         2013         113         Image: mmunol (mmunol )         T4         0.3         -0.3         1           TVSG67         F.X0158         10623         2014         65         T4         3.0         -0.1         0           SUB57         CVM03950         10033         2018         36         T4         3.0         0.0         0           SUB57         CVM03950         10033         2003         84         T4         3.0         0.0         0           SUB57         CVM03950         10033         2003         84         T4         3.0         0.0         0           R16F43         LtE03977         10840         2017         148         0         T4         0.3         -0.4         3         0.0         0	Vehicle EIN	Vehicle	Vehicle Type	Model Year	Horsepower	or Low-Use Designation		PM VDECS Level		Year / Type if	Factor if Non-	Designation	-		Fleet Avg.	Target Factor
TNSD94       2x401416       10334       2018       36       14       3.0       0.0         SUBSY7       32588       10471       2008       37       14       4.3       0.0       14         SUBSY7       2558       10041       2009       84       13       0.0       14       4.3       0.0       14         RF474       LTE03677       10840       2017       148       4.3       0.0       13       3.0       0.0       14       4.3       0.0       14       4.3       0.0       14       4.3       0.0       14       4.3       0.0       14       4.3       0.0       14       4.3       0.0       14       4.3       0.0       14       4.3       0.0       14       10.3       -0.4       3       0.0       14       10.3       -0.4       3       11       10.3       -0.4       3       11       10.3       0.0       11       10.3       11       10.3       0.0       11       10.3       11       10.3       11       10.3       11       10.3       11       11       11       10.3       11       10.3       11       10.3       11       10.3       11       11																3.1
SUB576       32538       10471       2008       37       T4I       4.9       0.0         SUB576       10933       2009       84       173       3.0       0.0       3         RF6743       1E03577       10840       2017       148       173       3.0       0.0       3         RP4Y65       rreacrumza       9711       2006       52       173       3.0       0.0       3         R8584       CYM03933       10094       2009       84       172       4.3       0.0       3         R6354       46262852       H0452       2003       130       172       4.3       0.2       3         MP5V48       2016844       45856       2016       130       172       4.3       0.2       3       0.4       3       0.4       3       0.4       3       0.4       3       0.4       3       0.4       3       0.4       3       0.2       0.4       0.3       0.4       0.4       0.4       0.3       0.4       0.4       0.3       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4       0.4	TV5G67	FJX01636	10623	2014	65								T4	3.0	-0.1	4.2
SUSMS7         CVM09650         10033         2003         84         Yes or No fields (★) represent         T3         3.0         0.0         2           RH5F43         LTE03677         10840         2017         148         14         0.3         -0.4         0           RH5F45         Framoverizz         3711         2006         52         172         4.9         0.0         0	TN5D94	2X401416	10934	2018	36								T4	3.0	0.0	4.1
RT6F49       LTE03677       10840       2017       148       •       Yes or No fields (X) represent NID       14       0.3       -0.4       3         RH6F49       LTE03677       10840       2017       148       •       Yes or No fields (X) represent NID       12       4.3       0.0       3	SU9S76	32598	10471	2008	37								T4I	4.9	0.0	4.1
Image: Production of the second state of the second sta							Vee							15356		3.4
Ri8564       CYM03903       10034       2009       84       NID'S current fieet status       T3       3.0       0.0       3         RE8G37       U593198A       8333       1936       86       100       9.9       0.6       3         RE8G37       U593198A       8333       1936       86       100       9.9       0.6       3         Nv6A43       76522       9386       2002       32       11       6.2       0.1       0.1         LJ6M88       700       8844       1938       70       16       100       9.9       0.6       2         KU7544       Settoweswer       M0322       1337       70       16       30       -0.1       0         KU7545       Redwarsseur       9138       1936       185       -0       11       6.9       0.2       0.1         KV5544       settoweswer       9138       1936       185       -0       13       2.6       -0.1       0         KV5545       Restricture       9380       2008       93       0       -0       14       3.0       -0.1       0         GY6063       FTL08963       10750       2016       73 <t< td=""><td></td><td></td><td>0.000000</td><td></td><td>10 03315 V</td><td>•</td><td>res o</td><td>r No field</td><td>IS (🗶 ) I</td><td>repres</td><td></td><td></td><td></td><td></td><td>100 C 100 C</td><td>3.1</td></t<>			0.000000		10 03315 V	•	res o	r No field	IS (🗶 ) I	repres					100 C	3.1
Initialized Control       Initialited Control       Initialited Control<					10 E.E.		NID's	current f	leet sta	atus						4.2
RC3X48       46262852       H0452       2003       130       Image: constraint of the second s					10 1000 b			••••••					10000			3.4
NW6A43       76522       8866       2002       32         MP5Y46       2016R844       H5456       2016       130       1       6.2       0.1       0         LJ6M88       Toto4577061       8844       1998       70       Effect on Fleet Average Index       T1       6.2       0.1       0         KW6S44       9880x877       H0322       1997       70       Effect on Fleet Average Index       T1       6.9       0.2       0         KW5S44       9880x31       10103       2009       110       Effect on Fleet Average Index       T3       2.6       -0.1       3         GY6D53       10750       2016       73       .       Red are worst offenders and need to be replaced       T4       3.0       -0.1       0         DU7C66       74000552       1938       30       .<				15.5.5		-						-	1000			3.4 3.1
MPSY46       2016       130       130       14       0.3       -0.4       15         LJ6M88       104045TT061       8844       1938       70       11       6.9       0.2       0         KW5344       96004658047       H0322       1937       70       11       6.9       0.2       0         KW7564       PLN00351       10103       2009       110       133       2.6       -0.1       0         HW3V69       P66076754187       9138       1996       185       136       1075       2016       73       1       6.9       0.7       0 <t< td=""><td></td><td>1.652.531.517.5</td><td></td><td>10 00 5 5 7 7 2 V</td><td>10 AF.F. 3</td><td><b>├</b>──<b>│</b> ●</td><td>Engin</td><td>e Tier</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		1.652.531.517.5		10 00 5 5 7 7 2 V	10 AF.F. 3	<b>├</b> ── <b>│</b> ●	Engin	e Tier								
LJ6M88       T04045TT061       8844       1938       70       Image: constraint of the state of th		0.000 2000 - C. 104 B			10 11215 V		Lugu					-		A0000 00		3.1
KW6544       sestaddesker       H0322       1937       70       Composition         KL7564       RLN00351       10103       2003       110       100       3.3       0.4       0         HW3V63       R660767564187       9138       1936       185       11       6.9       0.7       2         GY6D63       FTL08963       10750       2016       73       1       6.9       0.7       2         GL3U53       0H8V00562       H5520       2021       73       1       6.9       0.0       0       0         GK3X44       maccommunic       10520       2014       153       1       need to be replaced       14       3.0       -0.1       0         DB7V95       D0289422       3055       1938       30       110       14       3.0       0.0       0       0         CT8578       05L400457       11124       2020       113       1       1       14       0.3       -0.3       0	X 0.000 000 000 000 000		10 2350255													4.2
KL 7564       RLN00351       10103       2009       110       133       2.6       -0.1       33         HW3V69       Reconstruction       9138       1996       185       1       6.9       0.7       2         GY6D63       FTL08963       10750       2016       73       0       73       0.7       2         GK133       018900352       10750       2016       73       0       73       0.7       2         GK3X44       use communic       10520       2014       153       0       Red are worst offenders and need to be replaced       T4       3.0       -0.1       0         DU7C66       19380       2008       99       10520       2014       153       0       100       114       2.5       -0.1       0         DB7V95       D0289422       9055       1938       30       0       100			10 0 E E E E E E E	15.5.5.	10 31EX 3		Effort	on Fleet		hal ar				73.5	1000	4.2
GY6063       FTL08963       10750       2016       73       PRed are worst offenders and need to be replaced       T4       3.0       -0.1       4         GL3U53       0H8W0052       H5520       2021       73         T4       3.0       -0.1       4         GK3X44       00000002       10520       2014       153        need to be replaced        T4       3.0       -0.1       4         DU7C66       1040900000       3980       2008       993        need to be replaced        T4       3.0       0.0       0       0         DB7V95       D0289422       3055       1938       30         T0       7.1       0.1       0         CT8578       05L400457       11124       2021       73          14       3.0       -0.1       0         CM6W53       1060457       11124       2020       113          14       0.3       -0.3       3       3         CM6W53       1060457       11051       2008       138           14       0.3       -0.3       3		RLN00351		188.0					Avera	ye mu			1	1		3.1
GL3U53       0H8W00562       H5520       2021       73       Red are worst offenders and need to be replaced       10       14       3.0       -0.1       4         GK3X44       100500       2014       153       1620       2014       153       174       2.5       -0.1       2         DU7C66       1040.000000       3980       2008       393       1620       173       3.0       0.0       3         DB7V95       D0289422       3055       1938       30       170       7.1       0.1       0         CT8S78       05L400457       11124       2021       73       1       10       14       3.0       -0.1       0         CNSY74       11051       2020       113       1       1       14       0.3       -0.3       3       0       0       14       0.3       -0.3       3       0       0       0       0       14       0.3       -0.3       3       0       0       0       0       14       0.3       -0.3       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0       0	HW3V69	RG6076T568187	9138	1996	185								T1	6.9	0.7	2.9
GL3053       0H8W00662       H5520       2021       7.3       need to be replaced       14       3.0       -0.1       4         GK3X44       umagenesses       10520       2014       153        14       2.5       -0.1       3       3       0.0       3         DU7C66       17410/0000000       3980       2008       399       13       3.0       0.0       3       3       0.0       3       3       0.0       3       3       0.0       3       3       0.0       3       3       0.0       3       3       0.0       3       3       0.0       3       3       0.0       0.0       3       0.0	GY6D63	FTL08963	10750	2016	10		Pod a	ro worst	offond	ore an	d 🗆		T4	3.0	-0.1	4.2
DU7C66         reduxisier         9380         2008         939         Preduction of the placed         T3         3.0         0.0         3.0         3.0         0.0         3.0         3.0         0.0         3.0         3.0         3.0         3.0	A	0H8W00562	S2 232126.01392	19 - 2010 A. 260 B	192								1	199.6	-0.1	4.2
DU7CB6       Totol/Mission       9980       2008       999       133       3.0       0.00       33         DB7V95       D0289422       9055       1938       30       TO       7.1       0.1       0.0       <	8 67 8 7 A 6 8 8 7 A						need	to be rep	laced							3.1
CT8578         05L400457         11124         2021         73             T4         3.0         -0.1					10 (E.E.) S			·····					1			3.4
CNSY74         ITHER SPACE         11051         2020         113         Image: CNSY74	X		10	10 ATOTOTO	10 (E) E) (E) (E) (E) (E) (E) (E) (E) (E)	· •	-									4.1
CM6W53         T000001700245         8580         1997         148         Image: Cm6W53         T1         6.9         0.6         C           CF6P63         4M40TLU3A         10096         2008         58         Image: Cm6W53         T4         Image: Cm6W53         T4         3.0         -0.1         C	A	1000 Control 2010	19. 51.510 N	19 - 2010 200 B	4.949									1962 0	00000000	4.2 3.1
CF6P63 4M40TLU3A 10096 2008 58 T4 3.0 -0.1 C			10 - 11-5-5-0		10 10051 1	e de			<u> </u>			-		E1.5		3.1
				15,515	10								1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100000 00	1000	4.2
CA6E43 (THE ALL CAE AL	A													15992	1002/2011	3.1
				10 3457772773	10											3.1



Potentially	Eligle for Op	otional Complia	nce Schedule	2	No	CAR	B Calcul	ator -		ad Ele	et Con	nnlia	nce hv	1/1/2	2029
Recent Add	dition of a Re	stricted Vehicl	e?		No		Dulcu					ipila	ICC Dy	1/ 1/4	.023
Presence	of Tier 0 or T	ier 1 Not Desig	nated as Pern	nanent Low-	Yes	of shares			u. This o			6			
		Exempt from t				CIICK He	re for a Quick Ti			adings for	Pop-Up In		ating BACT	credits	
And and a second second	-			er kequiren										4 0000	
rederator	State-Owner					ŀ	Actions take	n on fleet	Detweel	n January	1, 2028 8	and Dec	cemper 3	1, 2028	
Total Fleet Horsepow er (for Fleet Size Category)	Fleet Size Category	Horsepower (Used for Next Year's BACT Requirement Determinatio	2029 Fleet Average Index	2029 Fleet Average Target	1/1/2029 Fleet Average Target Met?	2029 BACT Requireme nt	Smallest Engine Rounding Carried Over from 1/1/2028 Compliance Date	Total 2029 BACT Requiremen t	BACT Credits Earned For 2029	Extra BACT Credits Carried Over for 1/1/2029	Total BACT Credits Available for 2030	Addition al BACT Credits Needed for 2029	1/1/2029 BACT Met?	Engine Roundin g Carried Over to 1/1/2030	Extra BACT Credit for 1/1/2030
1834	Small	1834	1.7	1.8	YES	0		0	0	0	0	0	N/A	0	0
Vehicle EIN	Your Vehicle Number	Vehicle Type	Engine Model Year (Required)		Retired or Low-Use Designations	On-Road Engine	PM VDECS Level	NOx VDECS % Reduction	Year / Type if Electric	Emission Factor if Non Standard	Other Designation S	Engine Tier	Emission Factor	Fleet Avg. Index	Target Factor
VU8Y94	171418LXKK7954981	H5476	2019	113	12 22			()		· · · · · · · · · · · · · · · · · · ·		T4	0.3	-0.1	1.3
TV5G67	FJX01636	10623	2014	65	e :::					· · · · ·		T4	3.0	0.0	3.0
TN5D94	2X401416	10934	2018	36	12 III III	-				· · · · ·		T4	3.0	0.0	3.3
SU9S76	32598	10471	2008	37								T4I	4.9	0.1	3.3
SU5M57	CYM09850	10093	2009	84	Retired	-				· · · · ·		T3	3.0	N/A	1.4
RT6F49	LTE03677	10840	2017	148				()		· · · · · · · · · · · · · · · · · · ·		T4	0.3	-0.1	1.3
RP4Y65	FF080CY011728	9711	2006	52	Retired			6		· · · · · · · · · · · · · · · · · · ·		T2	4.9	N/A	3.0
RJ8S64	CYM09903	10094	2009	84	Retired	C 2		( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )		( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )		T3	3.0	N/A	1.4
RE8G97	U599198A	8339	1996	86	Retired			8				TO	9.9	N/A	1.4
RC9X48 NW6A43	46262852 76522	H0452 8986	2003 2002	130 32	C			()			-	T2 T1	4.3	0.4	1.3 3.3
MP5Y46	2016R844	8386 H5456	2002	32 130	13			()		· · · · · · · · · · · · · · · · · · ·		T4	6.2 0.3	0.1	3.3
LJ6M88	2016R044 T04045TT061	8844	1998	70	Retired			()			-	T1	6.9	N/A	3.0
KW6S44	5081D40453K37	H0322	1997	70	Retired			8				ТО	9.9	N/A	3.0
KL7S64	RLN00351	10103	2009	10	Retired							T3	2.6	N/A	1.3
HW3V69	RG6076T568187	9138	1996	185	Permanent						-	T1	6.9	N/A	1.5
GY6D63	FTL08963	10750	2016	73	r ennanent						-	T4	3.0	0.0	3.0
GL9U53	0H8W00562	H5520	2021	73								T4	3.0	0.0	3.0
GK3X44	10W524K2PEE561921	10520	2014	153								T4I	2.5	0.2	1.3
DU7C66	T0410JX161987	9980	2008	99								T3	3.0	0.2	1.4
DB7V95	D0289422	9055	1998	30	Retired							TO	7.1	N/A	3.3
CT8S78	0SL400457	11124	2021	73								T4	3.0	0.0	3.0
CN9Y74	1TB41BLXPLP3BE194	11051	2020	113								T4	0.3	-0.1	1.3
CM6W53	T06068T700245	8580	1997	148	Permanent							T1	6.9	N/A	1.3
CF6P63	4M40TLU3A	10096	2008	58	Retired							T4I	3.0	N/A	3.0
CA6E43	178418LXKHP397686	11080	2021	113	0		-					T4	0.3	-0.1	1.3
AP7H59	HWD00354	10666	2015	110		C						T4	0.3	-0.1	1.3
8		NEW	2023	65								T4	3.0	0.0	3.0
8		NEW	2024	110		-		( N				T4	0.3	-0.1	1.3
		NEW	2025	80								T4	0.3	-0.1	1.4
		NEW	2025	80	2	1.77					-	T4	0.3	-0.1	1.4



Example of F	Potential Com	pliance Route

						Π								
Concernance and	and the second second	Optional Comp		ule?	No			Con	npliance	e by 1/1/2	<mark>025</mark>			
Recent Ad	dition of a	Restricted Veh	icle?		No	L								
Presence	of Tier 0 or	Tier 1 Not Des	ignated as F	Permanent Low-l	Yes	L		Gene	rating BACT	Credits				
All Remain	ing Vehicle	es Exempt from	n this Year's	BACT Requirem			1	nformati	on					
Federal or	State-Own	ed Fleet?				Γ	4 and December 31, 2024							
Total Fleet Horsepow er (for Fleet Size Category)	Fleet Size Category	Horsepower (Used for Next Year's BACT Requirement Determinatio	2025 Fleet Average Index	2025 Fleet Average Target	1/1/2025 Fleet Average Target Met?	F		Additiona I BACT Credits Needed for 2025	1/1/2025 BACT Met?	Smallest Engine Rounding Carried Over to 1/1/2026	Extra BACT Credit for 1/1/2026			
2476	Small	2476	3.5	3.4	NO			247	NO	0	0			
Vehicle EIN	Your Vehicle Number	Vehicle Type	Model Year (Required)	Engine Horsepower (Required)	Retired or Low-Use Designation S		1	Engine Tier	Emission Factor	Effect on Fleet Avg. Index	Target Factor			
VU8Y94	178418LXKK7954988	H5476	2019	113				T4	0.3	-0.3	3.1			
TV5G67	FJX01636	10623	2014	65			2	T4	3.0	-0.1	4.2			
TN5D94	2X401416	10934	2018	36				T4	3.0	0.0	4.1			
SU9S76	32598	10471	2008	37				T4I	4.9	0.0	4.1			
SU5M57	CYM09850	10093	2009	84				T3	3.0	0.0	3.4			
RT6F49	LTE03677	10840	2017	148		Ц		T4	0.3	-0.4	3.1			
RP4Y65	FF080CY011728	9711	2006	52				T2	4.9	0.0	4.2			
RJ8S64	CYM09903	10094	2009	84			2	T3	3.0	0.0	3.4			
RE8G97	U599198A	8339	1996	86			4	TO	9.9	0.6	3.4			
RC9X48	46262852	H0452	2003	130			2	T2	4.3	0.2	3.1			
NW6A43	76522	8986	2002	32			2	T1	6.2	0.1	4.1			
MP5Y46	2016R844	H5456	2016	130				T4	0.3	-0.4	3.1			
LJ6M88	T04045TT061	8844	1998	70			22	T1	6.9	0.2	4.2			
KW6S44	5081D40459K97	H0322	1997	70			4	TO	9.9	0.4	4.2			
KL7S64	RLN00351	10103	2009	110		Ц		T3	2.6	-0.1	3.1			
HW3V69	RG6076T568187	9138	1996	185		$\square$	4	T1	6.9	0.7	2.9			
GY6D63	FTL08963	10750	2016	73		$\parallel$	4	T4	3.0	-0.1	4.2			
GL9U53	0H8W00562	H5520	2021	73	·	$\parallel$	4	T4	3.0	-0.1	4.2			
GK3X44		10520	2014	153	·	$\parallel$	4	T4I	2.5	-0.1	3.1			
DU7C66	T0410JX161987	9980	2008	. 99		$\parallel$	4	T3	3.0	0.0	3.4			
DB7V95	D0289422	9055	1998	30		$\parallel$	4	TO	7.1	0.1	4.1			
CT8S78	0SL400457	11124	2021	73	-	$\vdash$	H	T4	3.0	-0.1	4.2			
CN9Y74		11051	2020	113		$\vdash$	4	T4	0.3	-0.3	3.1			
CM6W53	T06068T700245	8580	1997	148		$\vdash$	4	T1	6.9	0.6	3.1			
CF6P63	4M40TLU3A	10096	2008	58	·	$\vdash$	4	T4I	3.0	-0.1	4.2			
CA6E43	HWD00354	11080 10666	2021 2015	113	· · · · ·	+	4	T4	0.3	-0.3	3.1			
AP7H59	HWD00354	10000	2015	IIU		L		T4	0.3	-0.3	3.1			
						Ĺ	a	]						

Potentially	Eligle for Op	otional Complia	nce Schedule	No		Ĩ	Com	pliance	by 1/1	/2029			
Recent Ad	dition of a Re	estricted Vehicl	e?		No								
Presence	of Tier 0 or T	ier 1 Not Desig	nated as Pern	nanent Low-	Yes		Generating BACT Credits						
All Remain	ing Vehicles	Exempt from t	this Year's BA	CT Requirem			n	formatio	on	_			
Federal or	ederal or State-Owned Fleet?							and Dec	cember 3	1, 2028			
Total Fleet Horsepow er (for Fleet Size Category) 1834	Fleet Size Category Small	Horsepower (Used for Next Year's BACT Requirement Determinatio 1834	2029 Fleet Average Index 1.7	2029 Fleet Average Target 1.8	1/1/2029 Fleet Average Target Met? YES			Addition al BACT Credits Needed for 2029 0	1/1/2029 BACT Met?	Engine Roundin g Carried Over to 1/1/2030	Extra BACT Credit fo 1/1/2030 0		
Vehicle EIN	Your Vehicle Number	Vehicle Type	Engine Model Year (Required)	Horsepowe r (Required)	Retired or Low-Use Designations		n	Engine Tier	Emission Factor	Fleet Avg. Index	Target Factor		
VU8Y94	171411LXKK7954911	H5476	2019	113				T4	0.3	-0.1	1.3		
TV5G67	FJX01636	10623	2014	65				T4	3.0	0.0	3.0		
TN5D94	2X401416	10934	2018	36				T4	3.0	0.0	3.3		
SU9S76	32598	10471	2008	37				T4I	4.9	0.1	3.3		
SU5M57	CYM09850	10093	2009	84	Retired			T3	3.0	N/A	1.4		
BT6F49	LTE03677	10840	2017	148			Ť.	T4	0.3	-0.1	1.3		
RP4Y65	FF080CY011728	9711	2006	52	Betired			T2	4.9	N/A	3.0		
RJ8S64	CYM09903	10094	2009	84	Betired			T3	3.0	N/A	1.4		
RE8G97	U599198A	8339	1996	86	Retired			TO	9.9	N/A	1.4		
RC9X48	46262852	H0452	2003	130				T2	4.3	0.4	1.3		
NW6A43	76522	8986	2002	32				T1	6.2	0.1	3.3		
MP5Y46	2016R844	H5456	2016	130				T4	0.3	-0.1	1.3		
LJ6M88	T04045TT061	8844	1998	70	Retired			T1	6.9	N/A	3.0		
KW6S44	5081D40453K37	H0322	1997	70	Retired			TO	9.9	N/A	3.0		
KL7S64	RLN00351	10103	2009	110	Retired			T3	2.6	N/A	1.3		
HW3V69	RG6076T568187	9138	1996	185	Permanent			T1	6.9	N/A	1.5		
GY6D63	FTL08963	10750	2016	73				T4	3.0	0.0	3.0		
GL9U53	0H8W00562	H5520	2021	73				T4	3.0	0.0	3.0		
GK3X44	10W524K2PEE661921	10520	2014	153	0			T4I	2.5	0.2	1.3		
DU7C66	T0410JX161987	9980	2008	99	0			T3	3.0	0.2	1.4		
DB7V95	D0289422	9055	1998	30	Retired			TO	7.1	N/A	3.3		
CT8S78	0SL400457	11124	2021	73				T4	3.0	0.0	3.0		
CN9Y74	1TB418LXPLP386134	11051	2020	113				T4	0.3	-0.1	1.3		
CM6W53	T06068T700245	8580	1997	148	Permanent			T1	6.9	N/A	1.3		
CF6P63	4M40TLU3A	10096	2008	58	Retired			T4I	3.0	N/A	3.0		
CA6E43	478418LXKHP397686	11080	2021	113				T4	0.3	-0.1	1.3		
AP7H59	HWD00354	10666	2015	110				T4	0.3	-0.1	1.3		
		NEW	2023	65	2			T4	3.0	0.0	3.0		
		NEW	2024	110				T4	0.3	-0.1	1.3		
		NEW	2025	80				T4	0.3	-0.1	1.4		
		NEW	2025	80	0			T4	0.3	-0.1	1.4		

## QUESTIONS & COMMENTS



## NEVADA IRRIGATION DISTRICT

# hank you...