



March 31, 2021

NG-21-0006  
10 CFR 50.75(f)(1)  
10 CFR 50.82(a)(8)(v)

Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

Duane Arnold Energy Center  
Docket No. 50-331  
Renewed Facility Operating License No DPR-49

Duane Arnold Energy Center  
Independent Spent Fuel Storage Installation  
NRC Docket No. 72-030

Subject: Duane Arnold Energy Center, 2021 Annual Decommissioning and Spent Fuel Management Funding Status Report

References:

- 1) Letter, Curtland (NEDA) to U.S. NRC, "Certification of Permanent Cessation of Power Operations," NG-20-0074, dated August 27, 2020 (ML20240A067)
- 2) Letter, Curtland (NEDA) to U. S. NRC, "Certification of Permanent Removal of Fuel from the Reactor Vessel for Duane Arnold Energy Center," NG-20-0090, dated October 12, 2020 (ML20286A317)
- 3) Letter, Curtland (NEDA) to U. S. NRC, "Post Shutdown Decommissioning Activities Report," NG-20-0027, dated April 2, 2020 (ML20094F603)
- 4) Letter, Hansen (NEDA) to U. S. NRC, "Update to Spent Fuel Management Plan Pursuant to 10 CFR 50.54(bb)," NG-20-0078, dated January 13, 2021 (ML21014A455)
- 5) Letter, Wall (NRC) to D. Moul (NEDA), "Duane Arnold Energy Center – Request for Exemption from 10 CFR 50.82(a)(8)(i)(A) and Section 75(h)(1)(iv)," dated August 12, 2020 (ML20171A627, ML20171A626)

In accordance with 10 CFR 50.75(f)(1), 10 CFR 50.82(a)(8)(v), and 10 CFR 50.82(a)(8)(vii), NextEra Energy Duane Arnold, LLC (NEDA) submits the annual status of decommissioning funding, status of funding for managing irradiated fuel, and the financial assurance status report for the Duane Arnold Energy Center (DAEC).

In References 1 and 2, DAEC certified permanent cessation of power operation and permanent removal of fuel from the reactor vessel for DAEC. In Reference 3, DAEC submitted its Post-Shutdown Decommissioning Activities Report (PSDAR) containing a site-specific Decommissioning Cost Estimate (DCE) pursuant to 10 CFR 50.82(a)(4)(i) and 10 CFR 50.82(a)(8)(iii). In Reference 4, NEDA submitted a spent fuel management plan pursuant to 10 CFR 50.54(bb). In Reference 5, the NRC granted an exemption allowing NEDA to fund spent fuel management and site restoration costs from its Nuclear Decommissioning Trust.

Enclosure 1 provides the 2021 Annual Decommissioning and Spent Fuel Management Funding Status Report.

No commitments to the NRC are made in this letter.

If you should have any questions about the enclosed reports, please contact Michael Davis, Nuclear Licensing Manager, at (319) 851-7032.

Respectfully,

A handwritten signature in cursive script, appearing to read "Paul Hansen for".

Paul Hansen  
Decommissioning Director, Duane Arnold Energy Center  
NextEra Energy Duane Arnold, LLC

Enclosure: As stated

cc: Regional Administrator, USNRC, Region III  
Project Manager, USNRC, Duane Arnold Energy Center  
Inspector, USNRC, Duane Arnold Energy Center  
A. Leek (State of Iowa)

**Enclosure 1**  
**Duane Arnold Energy Center**  
**2021 Annual Decommissioning and Spent Fuel Management Funding Status Report**

As required by 10 CFR 50.75(f)(1) and 10 CFR 50.82(a)(8), Duane Arnold Energy Center (DAEC) reports the following information:

**A. Current Decommissioning Cost Estimate**  
**(License Termination, Spent Fuel Management, and Site Restoration)**

As required by 10 CFR 50.82, DAEC completed a site-specific Decommissioning Cost Estimate (DCE), prepared by Energy Solutions LLC. The study was performed using the SAFSTOR decommissioning method. The DCE included expenses anticipated to be incurred for license termination activities (radiological remediation), interim spent fuel storage, and non-radiological site restoration activities. Based on the DCE (completed with 2018 data, revised January 2020), the total estimated cost to decommission DAEC is \$1,053,648,389 (2020 dollars). Of that total cost estimate, the current site-specific cost estimate for license termination expenses of Duane Arnold Energy Center is \$746,953,354. The current estimate of spent fuel management costs is \$267,437,848. The current estimate for non-radiological site restoration is \$37,566,800. The current estimate of Independent Spent Fuel Storage Installation (ISFSI) demolition and decommissioning (D&D) costs is \$1,690,387.<sup>1</sup>

**B. Funding Balance for License Termination**

Because DAEC is jointly owned among NextEra Energy Duane Arnold, LLC (NEDA), Central Iowa Power Cooperative (CIPCO), and Corn Belt Power Cooperative (Corn Belt), each Joint Owner (NEDA, CIPCO, and Corn Belt) maintains nuclear decommissioning trust(s) respective to their undivided interest ownership share.

The total balance available in NRC-jurisdictional nuclear decommissioning trusts (NDTs) for DAEC as of December 31, 2020 was \$632,821,768, broken out as follows

<b>Licensee</b>	<b>Trust Balance as of 12/31/20 (\$Thousands)</b>
Duane Arnold - NextEra	505,832
Duane Arnold - CIPCO	84,633
Duane Arnold - Corn Belt	42,357

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<sup>1</sup> For reference, the NRC minimum decommissioning cost calculated per 10 CFR 50.75(c) is \$606,136,966. This value is not used for any evaluations herein.

**Enclosure 1**  
**Duane Arnold Energy Center**  
**2021 Annual Decommissioning and Spent Fuel Management Funding Status Report**

**C. Funding Balance for Spent Fuel Management**

Beyond funds set aside for decommissioning, NEDA, CIPCO, and Corn Belt also maintain funds for spent fuel management and site restoration activities.

In accordance with the exemption granted by the NRC on August 12, 2020 (Reference 5), withdrawals from NEDA's NDT are used for decommissioning, spent fuel management and non-radiological site restoration purposes.

CIPCO and Corn Belt did not seek an exemption to allow use of their NDTs for spent fuel management activities. CIPCO and Corn Belt are not-for-profit electric cooperatives. CIPCO and Corn Belt maintain internal supplemental reserve funds, outside of their NDTs, the use of which are not legally restricted like an NDT, for asset retirement and other purposes. These funds are sufficient to pay for spent fuel management and may be supplemented by operational income, if necessary. The CIPCO and Corn Belt supplemental funds are not commingled with the NDTs used for license termination costs, and these funds are not included as funds for satisfying NRC minimum license termination obligations. An additional potential source of supplemental funding for spent fuel management costs for CIPCO and Corn Belt is the Settlement Agreement, under which the United States Government has agreed to reimburse Duane Arnold for costs incurred attributable to DOE's failure to meet its contractual obligations for the transfer of spent fuel from DAEC.

**D. Annual Decommissioning Collections**

There were no annual collections for 2020 and no collections anticipated.

**E. Rates Used to Escalate Decommissioning Costs and Fund Balances**

The estimates in the 2018 DCE have been inflated to 2020 dollars in the estimates provided in Attachments B – C. The Bureau of Labor Statistics (BLS) data provided the basis for the decommissioning cost estimate inflation rate forecast. Decommissioning costs are inflated using average observed data for Consumer Price Index, for All-Urban Consumers. DAEC used a factor of 1.8% to escalate 2018 dollars to 2019 dollars and 1.2% to escalate 2019 dollars to 2020 dollars.

Anticipated NEDA, CIPCO, and Corn Belt NDT and supplemental fund balances incorporate a 2% annual real rate of return, consistent with the requirements of 10 CFR 50.75.

**Enclosure 1**  
**Duane Arnold Energy Center**  
**2021 Annual Decommissioning and Spent Fuel Management Funding Status Report**

**F. Current ISFSI Decommissioning Cost**

The current detailed site-specific ISFSI decommissioning cost estimate is \$1,690,000 (escalated to 2020 dollars). The table below summarizes data presented in Attachments C-1, C-2 and, C-3 and demonstrates that adequate funding will remain following the decommissioning of the site to cover future ISFSI D&D costs (10 CFR 72.30).

Licensee	Trust Balance as of 12/31/20 (\$Thousands)	Projected Trust Fund Balance After Decommissioning (\$Thousands)	ISFSI Decommissioning Cost Estimate (2020 \$Thousands)
Duane Arnold - NextEra	505,832	365,527	1,183
Duane Arnold - CIPCO	84,633	64,054	338
Duane Arnold - Corn Belt	42,357	36,560	169

**G. Contracts to Fund Decommissioning**

None.

**H. Modification to Method of Providing Financial Assurance**

None.

**I. Material Changes to Trust Agreements**

In accordance with the exemption granted by NRC on August 12, 2020, NEDA amended its NDT to authorize withdrawals for spent fuel management and non-radiological site restoration purposes. See Letter from Curtland (NEDA) to U.S. NRC, Notice Regarding Proposed Amendment to Decommissioning Trust Agreements,” NG-20-0073, dated September 1, 2020.

**Enclosure 1**  
**Duane Arnold Energy Center**  
**2021 Annual Decommissioning and Spent Fuel Management Funding Status Report**

**J. Annual Report Conclusions**

Attachment A provides the amount spent on decommissioning, both cumulative and over the previous calendar year, the remaining balance of any decommissioning funds, an estimate of the costs to complete decommissioning work performed during the year, reflecting any difference between actual and estimated costs, in satisfaction of 10 CFR 50.82(a)(8)(v). Attachment A also provides the projected costs of managing spent fuel and the amount of funds accumulated to cover the cost of irradiated fuel, in satisfaction of 10 CFR 50.82(a)(8)(vii).

Attachment B provides the projected annual costs to decommission DAEC escalated to 2020 dollars.

Attachment C-1 compares the NEDA NDT balance, accounting for a 2% real rate of return, against the estimated costs for license termination, spent fuel management, and site restoration costs, demonstrating the NEDA NDT contains sufficient funds to cover license termination (50.82(a)(8)(v)) and spent fuel management (50.82(a)(8)(vii)) costs.

Attachment C-2 compares the CIPCO NDT balance, escalated at a 2% real rate of return, against the estimated costs for license termination, demonstrating the CIPCO NDT contains sufficient funds to cover license termination costs (50.82(a)(8)(v)).

Attachment C-3 compares the Corn Belt NDT balance, escalated at a 2% real rate of return, against the estimated costs for license termination, demonstrating the Corn Belt NDT contains sufficient funds to cover license termination costs (50.82(a)(8)(v)).

Thus, considering the current NDT balances, anticipated growth in those balances over time, and anticipated future license termination costs, the Joint Owners' trust funds are expected to have adequate funds for completion of license termination activities. Similarly, considering the NEDA NDT balance and the CIPCO and Corn Belt supplemental funds and other sources, the Joint Owners are expected to have adequate funds for spent fuel management activities.

Decommissioning Funding Status Report  
 Duane Arnold Energy Center  
 ATTACHMENT A  
 Summary Information as of December 31, 2020  
 10 CFR 50.82 (a) (8) (v)-(vii)

**Decommissioning Trust Fund Balances 50.75(f)(1) 50.82(a)**

Year	Joint Owner	Type of Trust	Fund Balance	Comments
2020	NEDA	Decommissioning Trust	\$ 505,831,776	
2020	CIPCO	Decommissioning Trust	\$ 84,632,768	
2020	Corn Belt	Decommissioning Trust	\$ 42,357,224	

**Other Financial Assurance Methods Being Relied Upon 50.75(f)(1)**

None

**Prior Years Decommissioning Expenditures 50.82(a)(8)(v)(A)**

Year	License Termination	Spent Fuel	Site Restoration	ISFSI D&D	Total	Comments
2019	\$ 1,816,262	\$ 315,054	\$ -	\$ -	\$ 2,131,315	
2020	\$ 14,018,255	\$ 20,485,571	\$ 698,654	\$ -	\$ 35,202,480	
<b>Total</b>	<b>\$ 15,834,517</b>	<b>\$ 20,800,624</b>	<b>\$ 698,654</b>	<b>\$ -</b>	<b>\$ 37,333,796</b>	

**Prior Year Expenditures Variance to Estimated Cost 50.82(a)(8)(v)(B)**

Year	License Termination	Spent Fuel	Site Restoration	ISFSI D&D	Total	Comments
2020 Estimated	\$ 37,293,199	\$ 3,426,296	\$ -	\$ -	\$ 40,719,495	
2020 Actual	\$ 14,018,255	\$ 20,485,571	\$ 698,654	\$ -	\$ 35,202,480	
<b>Variance</b>	<b>\$ 23,274,944</b>	<b>\$ (17,059,275)</b>	<b>\$ (698,654)</b>	<b>\$ -</b>	<b>\$ 5,517,014</b>	See below for variance commentary

**Variance Commentary**

**License Termination:** Below estimates due to cost optimization

**Spent Fuel:** Above estimate due to inclusion fo 2020 pool-to-pad campaign as discussed in the Spent Fuel Management Plan; No funds were withdrawn through year end 2020 to support the 2020 campaign

**Site Restoration:** Above estimated due to storm recovery and cost schedule optimization

Accruals are reflected in total costs but not in reimbursements

**Cumulative Withdrawals from Decommissioning Trusts 50.82(a)(8)(v)(A)**

Year	Joint Owner	License Termination	Spent Fuel	Site Restoration	ISFSI D&D	Total	Comments
Through 12/31/2020	NEDA	\$ 4,860,250	\$ -	\$ -	\$ -	\$ 4,860,250	No Spent Fuel or Site Restoration withdrawals through 2020
Through 12/31/2020	CIPCO	\$ -	\$ -	\$ -	\$ -	\$ -	
Through 12/31/2020	Corn Belt	\$ 1,367,391	\$ -	\$ -	\$ -	\$ 1,367,391	
<b>Total Through 2020</b>		<b>\$ 6,227,642</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 6,227,642</b>	

**Remaining Decommissioning Estimated Cost 50.82(a)(8)(v)(B) / (vii)(B)**

Year	License Termination	Spent Fuel	Site Restoration	ISFSI D&D	Total	Comments
2020 \$	\$ 705,435,417	\$ 263,771,279	\$ 37,566,411	\$ 1,690,599	\$ 1,008,463,706	Remaining decom costs from 2021 - 2080 escalated to 2020 \$

**Enclosure 1**  
**Duane Arnold Energy Center**  
**2021 Annual Decommissioning and Spent Fuel Management Funding Status Report**

**ATTACHMENT B**  
**Duane Arnold Energy Center**  
**Decommissioning Cost Estimate (100% Share)**  
**Estimates in 2020 Dollars (Thousands)**

Year	License Termination	Spent Fuel	Site Restoration	ISFSI D&D	Total
2021	45,079	19,692	-	-	64,771
2022	16,439	59,314	-	-	75,753
2023	5,267	52,474	-	-	57,741
2024	15,353	3,321	-	-	18,674
2025	5,776	3,332	-	-	9,109
2026	2,268	3,332	-	-	5,601
2027	1,883	3,332	-	-	5,216
2028	1,883	3,332	-	-	5,216
2029	1,883	3,332	-	-	5,216
2030	1,942	3,332	-	-	5,274
2031	1,824	3,332	-	-	5,157
2032	1,824	3,612	-	-	5,436
2033	1,824	3,615	-	-	5,439
2034	1,824	3,615	-	-	5,439
2035	1,824	3,615	-	-	5,439
2036	1,824	3,615	-	-	5,439
2037	1,824	3,615	-	-	5,439
2038	1,824	3,615	-	-	5,439
2039	1,824	3,615	-	-	5,439
2040	2,485	3,615	-	-	6,100
2041	1,824	3,615	-	-	5,439
2042	1,824	3,615	-	-	5,439
2043	1,824	3,615	-	-	5,439
2044	1,824	3,615	-	-	5,439
2045	1,824	3,615	-	-	5,439
2046	1,824	3,615	-	-	5,439
2047	1,824	3,615	-	-	5,439
2048	1,824	3,615	-	-	5,439
2049	1,824	3,615	-	-	5,439
2050	1,824	3,615	-	-	5,439
2051	1,824	3,615	-	-	5,439
2052	1,824	3,615	-	-	5,439
2053	1,824	3,615	-	-	5,439
2054	2,118	3,615	-	-	5,733
2055	2,192	3,615	-	-	5,806
2056	1,824	3,615	-	-	5,439
2057	1,824	3,615	-	-	5,439
2058	1,824	3,615	-	-	5,439
2059	2,226	2,999	-	-	5,225
2060	3,172	-	-	-	3,172
2061	2,715	-	-	-	2,715
2062	2,715	-	-	-	2,715
2063	2,715	-	-	-	2,715
2064	2,715	-	-	-	2,715
2065	2,715	-	-	-	2,715
2066	2,715	-	-	-	2,715
2067	2,715	-	-	-	2,715
2068	2,715	-	-	-	2,715
2069	2,715	-	-	-	2,715
2070	2,715	-	-	-	2,715
2071	2,715	-	-	-	2,715
2072	2,715	-	-	-	2,715
2073	15,914	-	-	-	15,914
2074	33,610	-	-	-	33,610
2075	80,599	-	-	190	80,789
2076	96,889	-	-	415	97,304
2077	121,995	26	-	313	122,334
2078	104,157	5,022	6,403	753	116,335
2079	59,148	-	28,667	20	87,835
2080	4,977	-	2,496	-	7,473
<b>Total</b>	<b>705,435</b>	<b>263,771</b>	<b>37,566</b>	<b>1,691</b>	<b>1,008,464</b>



**Enclosure 1**  
**Duane Arnold Energy Center**  
**2021 Annual Decommissioning and Spent Fuel Management Funding Status Report**

ATTACHMENT C-1  
NextEra Energy Duane Arnold, LLC (70% Share)  
License Termination (50.82(a)(8)(v))  
Spent Fuel (50.82(a)(8)(vii))  
Estimates in 2020 Dollars (Thousands) / Balance with 2% Real Rate of Return

NEDA Ownership / Balance      70%      \$    505,832  
Annual Fund Earnings            2.0%

Year	NextEra 70% Share of Costs Eligible from Decom Trust								
	License Termination	Spent Fuel	Site Restoration	ISFSI D&D	Total	A	B	C	= A + B + C
						Beginning of Year Balance	Withdrawals	Annual NDT Earnings	End of Year NDT Balance
2021 <sup>(2)</sup>	31,555	13,785	-	-	45,339	505,832	(66,613)	10,117	449,336
2022	11,507	41,520	-	-	53,027	449,336	(53,027)	8,987	405,295
2023	3,687	36,732	-	-	40,419	405,295	(40,419)	8,106	372,982
2024	10,747	2,325	-	-	13,072	372,982	(13,072)	7,460	367,370
2025	4,044	2,333	-	-	6,376	367,370	(6,376)	7,347	368,341
2026	1,588	2,333	-	-	3,921	368,341	(3,921)	7,367	371,788
2027	1,318	2,333	-	-	3,651	371,788	(3,651)	7,436	375,572
2028	1,318	2,333	-	-	3,651	375,572	(3,651)	7,511	379,433
2029	1,318	2,333	-	-	3,651	379,433	(3,651)	7,589	383,371
2030	1,359	2,333	-	-	3,692	383,371	(3,692)	7,667	387,346
2031	1,277	2,333	-	-	3,610	387,346	(3,610)	7,747	391,483
2032	1,277	2,528	-	-	3,805	391,483	(3,805)	7,830	395,508
2033	1,277	2,530	-	-	3,807	395,508	(3,807)	7,910	399,611
2034	1,277	2,530	-	-	3,807	399,611	(3,807)	7,992	403,796
2035	1,277	2,530	-	-	3,807	403,796	(3,807)	8,076	408,064
2036	1,277	2,530	-	-	3,807	408,064	(3,807)	8,161	412,418
2037	1,277	2,530	-	-	3,807	412,418	(3,807)	8,248	416,859
2038	1,277	2,530	-	-	3,807	416,859	(3,807)	8,337	421,389
2039	1,277	2,530	-	-	3,807	421,389	(3,807)	8,428	426,010
2040	1,740	2,530	-	-	4,270	426,010	(4,270)	8,520	430,260
2041	1,277	2,530	-	-	3,807	430,260	(3,807)	8,605	435,058
2042	1,277	2,530	-	-	3,807	435,058	(3,807)	8,701	439,952
2043	1,277	2,530	-	-	3,807	439,952	(3,807)	8,799	444,943
2044	1,277	2,530	-	-	3,807	444,943	(3,807)	8,899	450,035
2045	1,277	2,530	-	-	3,807	450,035	(3,807)	9,001	455,228
2046	1,277	2,530	-	-	3,807	455,228	(3,807)	9,105	460,526
2047	1,277	2,530	-	-	3,807	460,526	(3,807)	9,211	465,929
2048	1,277	2,530	-	-	3,807	465,929	(3,807)	9,319	471,440
2049	1,277	2,530	-	-	3,807	471,440	(3,807)	9,429	477,062
2050	1,277	2,530	-	-	3,807	477,062	(3,807)	9,541	482,796
2051	1,277	2,530	-	-	3,807	482,796	(3,807)	9,656	488,644
2052	1,277	2,530	-	-	3,807	488,644	(3,807)	9,773	494,610
2053	1,277	2,530	-	-	3,807	494,610	(3,807)	9,892	500,695
2054	1,483	2,530	-	-	4,013	500,695	(4,013)	10,014	506,696
2055	1,534	2,530	-	-	4,064	506,696	(4,064)	10,134	512,765
2056	1,277	2,530	-	-	3,807	512,765	(3,807)	10,255	519,213
2057	1,277	2,530	-	-	3,807	519,213	(3,807)	10,384	525,790
2058	1,277	2,530	-	-	3,807	525,790	(3,807)	10,516	532,499
2059	1,558	2,099	-	-	3,657	532,499	(3,657)	10,650	539,491
2060	2,220	-	-	-	2,220	539,491	(2,220)	10,790	548,061
2061	1,900	-	-	-	1,900	548,061	(1,900)	10,961	557,122
2062	1,900	-	-	-	1,900	557,122	(1,900)	11,142	566,364
2063	1,900	-	-	-	1,900	566,364	(1,900)	11,327	575,791
2064	1,900	-	-	-	1,900	575,791	(1,900)	11,516	585,407
2065	1,900	-	-	-	1,900	585,407	(1,900)	11,708	595,215
2066	1,900	-	-	-	1,900	595,215	(1,900)	11,904	605,219
2067	1,900	-	-	-	1,900	605,219	(1,900)	12,104	615,423
2068	1,900	-	-	-	1,900	615,423	(1,900)	12,308	625,831
2069	1,900	-	-	-	1,900	625,831	(1,900)	12,517	636,448
2070	1,900	-	-	-	1,900	636,448	(1,900)	12,729	647,277
2071	1,900	-	-	-	1,900	647,277	(1,900)	12,946	658,322
2072	1,900	-	-	-	1,900	658,322	(1,900)	13,166	669,588
2073	11,140	-	-	-	11,140	669,588	(11,140)	13,392	671,840
2074	23,527	-	-	-	23,527	671,840	(23,527)	13,437	661,750
2075	56,419	-	-	133	56,552	661,750	(56,552)	13,235	618,433
2076	67,822	-	-	291	68,113	618,433	(68,113)	12,369	562,688
2077	85,397	18	-	219	85,634	562,688	(85,634)	11,254	488,308
2078	72,910	3,516	4,482	527	81,435	488,308	(81,435)	9,766	416,640
2079	41,404	-	20,067	14	61,485	416,640	(61,485)	8,333	363,488
2080	3,484	-	1,747	-	5,231	363,488	(5,231)	7,270	365,527
<b>Total</b>	<b>493,805</b>	<b>184,640</b>	<b>26,296</b>	<b>1,183</b>	<b>705,925</b>				

<sup>2</sup> 2021 NDT withdrawal includes \$21,273 of expenses that were not reimbursed during prior periods

**Enclosure 1**  
**Duane Arnold Energy Center**  
**2021 Annual Decommissioning and Spent Fuel Management Funding Status Report**

ATTACHMENT C-2  
 CIPCO (20% Share)  
 License Termination (50.82(a)(8)(v))  
 Estimates in 2020 Dollars (Thousands) / Balance with 2% Real Rate of Return

CIPCO Ownership / Balance      20%      \$    84,633  
 Annual Fund Earnings              2.0%

Year	CIPCO 20% Share of Costs Eligible from Decom Trust						
	License Termination	ISFSI D&D	Total	A	B	C	= A + B + C
				Beginning of Year Balance	Withdrawals	Annual NDT Earnings	End of Year NDT Balance
2021 <sup>(3)</sup>	9,016	-	9,016	84,633	(12,183)	1,693	74,143
2022	3,288	-	3,288	74,143	(3,288)	1,483	72,338
2023	1,053	-	1,053	72,338	(1,053)	1,447	72,731
2024	3,071	-	3,071	72,731	(3,071)	1,455	71,115
2025	1,155	-	1,155	71,115	(1,155)	1,422	71,382
2026	454	-	454	71,382	(454)	1,428	72,356
2027	377	-	377	72,356	(377)	1,447	73,427
2028	377	-	377	73,427	(377)	1,469	74,519
2029	377	-	377	74,519	(377)	1,490	75,632
2030	388	-	388	75,632	(388)	1,513	76,757
2031	365	-	365	76,757	(365)	1,535	77,927
2032	365	-	365	77,927	(365)	1,559	79,121
2033	365	-	365	79,121	(365)	1,582	80,338
2034	365	-	365	80,338	(365)	1,607	81,580
2035	365	-	365	81,580	(365)	1,632	82,847
2036	365	-	365	82,847	(365)	1,657	84,139
2037	365	-	365	84,139	(365)	1,683	85,457
2038	365	-	365	85,457	(365)	1,709	86,801
2039	365	-	365	86,801	(365)	1,736	88,172
2040	497	-	497	88,172	(497)	1,763	89,439
2041	365	-	365	89,439	(365)	1,789	90,863
2042	365	-	365	90,863	(365)	1,817	92,315
2043	365	-	365	92,315	(365)	1,846	93,797
2044	365	-	365	93,797	(365)	1,876	95,308
2045	365	-	365	95,308	(365)	1,906	96,849
2046	385	-	385	96,849	(365)	1,937	98,421
2047	365	-	365	98,421	(365)	1,968	100,025
2048	365	-	365	100,025	(365)	2,000	101,660
2049	365	-	365	101,660	(365)	2,033	103,329
2050	365	-	365	103,329	(365)	2,067	105,030
2051	365	-	365	105,030	(365)	2,101	106,766
2052	365	-	365	106,766	(365)	2,135	108,537
2053	365	-	365	108,537	(365)	2,171	110,343
2054	424	-	424	110,343	(424)	2,207	112,126
2055	438	-	438	112,126	(438)	2,243	113,930
2056	365	-	365	113,930	(365)	2,279	115,844
2057	365	-	365	115,844	(365)	2,317	117,796
2058	365	-	365	117,796	(365)	2,356	119,787
2059	445	-	445	119,787	(445)	2,396	121,737
2060	634	-	634	121,737	(634)	2,435	123,538
2061	543	-	543	123,538	(543)	2,471	125,466
2062	543	-	543	125,466	(543)	2,509	127,432
2063	543	-	543	127,432	(543)	2,549	129,438
2064	543	-	543	129,438	(543)	2,589	131,484
2065	543	-	543	131,484	(543)	2,630	133,570
2066	543	-	543	133,570	(543)	2,671	135,699
2067	543	-	543	135,699	(543)	2,714	137,870
2068	543	-	543	137,870	(543)	2,757	140,084
2069	543	-	543	140,084	(543)	2,802	142,343
2070	543	-	543	142,343	(543)	2,847	144,647
2071	543	-	543	144,647	(543)	2,893	146,997
2072	543	-	543	146,997	(543)	2,940	149,394
2073	3,183	-	3,183	149,394	(3,183)	2,988	149,199
2074	6,722	-	6,722	149,199	(6,722)	2,984	145,461
2075	16,120	38	16,158	145,461	(16,158)	2,909	132,213
2076	19,378	83	19,461	132,213	(19,461)	2,644	115,396
2077	24,399	63	24,462	115,396	(24,462)	2,308	93,243
2078	20,831	151	20,982	93,243	(20,982)	1,865	74,125
2079	11,830	4	11,834	74,125	(11,834)	1,483	63,774
2080	995	-	995	63,774	(995)	1,275	64,054
<b>Total</b>	<b>141,087</b>	<b>338</b>	<b>141,425</b>				

<sup>3</sup> 2021 NDT withdrawal includes \$3,167 of expenses that were not reimbursed during prior periods

**Enclosure 1**  
**Duane Arnold Energy Center**  
**2021 Annual Decommissioning and Spent Fuel Management Funding Status Report**

ATTACHMENT C-3  
 Corn Belt (10% Share)  
 License Termination (50.82(a)(8)(v))  
 Estimates in 2020 Dollars (Thousands) / Balance with 2% Real Rate of Return

CB Ownership / Balance            10%     \$    42,357  
 Annual Fund Earnings            2.0%

Year	Corn Belt 10% Share of Costs Eligible from Decom Trust						
	License Termination	ISFSI D&D	Total	A	B	C	= A + B + C
				Beginning of Year Balance	Withdrawals	Annual NDT Earnings	End of Year NDT Balance
2021 <sup>(4)</sup>	4,508	-	4,508	42,357	(4,724)	847	38,480
2022	1,644	-	1,644	38,480	(1,644)	770	37,606
2023	527	-	527	37,606	(527)	752	37,832
2024	1,535	-	1,535	37,832	(1,535)	757	37,053
2025	578	-	578	37,053	(578)	741	37,216
2026	227	-	227	37,216	(227)	744	37,734
2027	188	-	188	37,734	(188)	755	38,300
2028	188	-	188	38,300	(188)	766	38,878
2029	188	-	188	38,878	(188)	778	39,467
2030	194	-	194	39,467	(194)	789	40,062
2031	182	-	182	40,062	(182)	801	40,681
2032	182	-	182	40,681	(182)	814	41,312
2033	182	-	182	41,312	(182)	826	41,956
2034	182	-	182	41,956	(182)	839	42,613
2035	182	-	182	42,613	(182)	852	43,283
2036	182	-	182	43,283	(182)	866	43,966
2037	182	-	182	43,966	(182)	879	44,663
2038	182	-	182	44,663	(182)	893	45,374
2039	182	-	182	45,374	(182)	907	46,099
2040	249	-	249	46,099	(249)	922	46,772
2041	182	-	182	46,772	(182)	935	47,525
2042	182	-	182	47,525	(182)	951	48,293
2043	182	-	182	48,293	(182)	966	49,077
2044	182	-	182	49,077	(182)	982	49,876
2045	182	-	182	49,876	(182)	998	50,691
2046	182	-	182	50,691	(182)	1,014	51,522
2047	182	-	182	51,522	(182)	1,030	52,370
2048	182	-	182	52,370	(182)	1,047	53,235
2049	182	-	182	53,235	(182)	1,065	54,118
2050	182	-	182	54,118	(182)	1,082	55,017
2051	182	-	182	55,017	(182)	1,100	55,935
2052	182	-	182	55,935	(182)	1,119	56,872
2053	182	-	182	56,872	(182)	1,137	57,827
2054	212	-	212	57,827	(212)	1,157	58,771
2055	219	-	219	58,771	(219)	1,175	59,728
2056	182	-	182	59,728	(182)	1,195	60,740
2057	182	-	182	60,740	(182)	1,215	61,772
2058	182	-	182	61,772	(182)	1,235	62,825
2059	223	-	223	62,825	(223)	1,257	63,859
2060	317	-	317	63,859	(317)	1,277	64,819
2061	271	-	271	64,819	(271)	1,296	65,844
2062	271	-	271	65,844	(271)	1,317	66,889
2063	271	-	271	66,889	(271)	1,338	67,956
2064	271	-	271	67,956	(271)	1,359	69,043
2065	271	-	271	69,043	(271)	1,381	70,153
2066	271	-	271	70,153	(271)	1,403	71,285
2067	271	-	271	71,285	(271)	1,426	72,439
2068	271	-	271	72,439	(271)	1,449	73,616
2069	271	-	271	73,616	(271)	1,472	74,817
2070	271	-	271	74,817	(271)	1,496	76,042
2071	271	-	271	76,042	(271)	1,521	77,291
2072	271	-	271	77,291	(271)	1,546	78,566
2073	1,591	-	1,591	78,566	(1,591)	1,571	78,545
2074	3,361	-	3,361	78,545	(3,361)	1,571	76,755
2075	8,060	19	8,079	76,755	(8,079)	1,535	70,212
2076	9,689	42	9,730	70,212	(9,730)	1,404	61,885
2077	12,200	31	12,231	61,885	(12,231)	1,238	50,892
2078	10,416	75	10,491	50,892	(10,491)	1,018	41,419
2079	5,915	2	5,917	41,419	(5,917)	828	36,331
2080	498	-	498	36,331	(498)	727	36,560
<b>Total</b>	<b>70,544</b>	<b>169</b>	<b>70,713</b>				

<sup>4</sup> 2021 NDT withdrawal includes \$216 of expenses that were not reimbursed during prior periods