

U.S. Commercial Spent Nuclear Fuel Canisters and Casks Loaded as of June 2013

ST	Storage Facility	B/W	2018 Age	Total Casks	First Load	Last Load	Vendor	Assm/Cask	Model*
AL	Browns Ferry ISFSI	W	13	40	2005	2012	Holtec	68	MPC-68
AL	Farley ISFSI	W	13	21	2005	2012	Holtec	32	MPC-32
AR	Arkansas Nuclear One ISFSI	W	22	24	1996	2003	Pacific Sierra Nuclear Assoc.	24	VSC-24*
AR	Arkansas Nuclear One ISFSI	W	15	20	2003	2010	Holtec	24	MPC-24
AR	Arkansas Nuclear One ISFSI	W	14	17	2004	2010	Holtec	32	MPC-32
AZ	Palo Verde ISFSI	W	15	104	2003	2013	NAC	24	NAC-UMS
CA	Rancho Seco ISFSI	W	17	21	2001	2002	Transnuclear	24	NUHOMS
CA	San Onofre ISFSI	W	15	17	2003	2005	Transnuclear	24	24PT1
CA	San Onofre ISFSI	W	11	33	2007	2012	Transnuclear	24	24PT4
CA	Humboldt Bay ISFSI	W	10	1	2008	2008	Holtec	79	HI-STAR HB*
CA	Humboldt Bay ISFSI	W	10	3	2008	2008	Holtec	80	HI-STAR HB*
CA	Humboldt Bay ISFSI	W	10	1	2008	2008	Holtec	71	HI-STAR HB*
CA	Diablo Canyon ISFSI	W	9	23	2009	2012	Holtec	32	HI-STORM 100SA
CT	Haddam Neck ISFSI	W	14	32	2004	2005	NAC	26	MPC
CT	Haddam Neck ISFSI	W	14	2	2004	2005	NAC	27	MPC
CT	Haddam Neck ISFSI	W	14	2	2004	2004	NAC	25	MPC
CT	Haddam Neck ISFSI	W	13	3	2005	2005	NAC	24	MPC
CT	Haddam Neck ISFSI	W	13	1	2005	2005	NAC	16	MPC
CT	Millstone ISFSI	W	13	18	2005	2012	Transnuclear	32	NUHOMS-32PT
DE	Hope Creek/Salem ISFSI	W	12	16	2006	2010	Holtec	68	MPC68
DE	Hope Creek/Salem ISFSI	W	8	18	2010	2013	Holtec	32	MPC32
FL	St. Lucie ISFSI	W	10	26	2008	2013	Transnuclear	32	NUHOMS 32PTH
FL	Turkey Point ISFSI	W	7	18	2011	2011	Transnuclear	32	NUHOMS 32PTH
GA	Hatch ISFSI	W	18	7	2000	2001	Holtec	68	HI-STAR 100
GA	Hatch ISFSI	W	16	11	2002	2004	Holtec	68	HI-STORM 100
GA	Hatch ISFSI	W	14	35	2004	2013	Holtec	68	HI-STORM 100S
IA	Duane Arnold ISFSI	W	15	20	2003	2011	Transnuclear	61	NUHOMS 61BT
IL	Dresden 1 ISFSI	W	18	3	2000	2001	Holtec	68	HI-STAR MPC 68F
IL	Dresden 1 ISFSI	W	17	50	2001	2013	Holtec	68	HI-STORM MPC 68
IL	Dresden 1 ISFSI	W	17	4	2001	2002	Holtec	68	HI-STORM MPC68F
IL	Quad Cities ISFSI	W	13	35	2005	2011	Holtec	68	HI-STORM MPC68
IL	Brunswick ISFSI	W	8	16	2010	2013	Hitachi Zosen/Transnuclear	61	NUHOMS-61BTH
IL	Byron ISFSI	W	8	14	2010	2012	Holtec	32	HI-STORM MPC32
IL	LaSalle County ISFSI	W	8	9	2010	2013	Holtec	68	HI-STORM MPC68
IL	Braidwood ISFSI	W	7	7	2011	2013	Holtec	32	HI-STORM MPC32
LA	River Bend ISFSI	W	13	19	2005	2012	Holtec	68	HI-STORM
LA	Waterford ISFSI	W	7	9	2011	2012	Holtec	32	HI-STORM 100
MA	Yankee Rowe ISFSI	W	16	15	2002	2003	NAC	36	MPC
MD	Calvert Cliffs ISFSI	W	25	48	1993	2005	Transnuclear West/Vectra	24	NUHOMS-24P
MD	Calvert Cliffs ISFSI	W	13	24	2005	2012	Transnuclear	32	NUHOMS-32P
ME	Maine Yankee ISFSI	W	16	58	2002	2009	NAC	24	UMS
ME	Maine Yankee ISFSI	W	15	1	2003	2003	NAC	23	UMS
ME	Maine Yankee ISFSI	W	15	1	2003	2003	NAC	21	UMS
MI	Palisades ISFSI	W	25	18	1993	1999	Pacific Sierra Nuclear Assoc.	24	VSC-24*
MI	Big Rock Point ISFSI	W	16	7	2002	2003	BNFL Fuel Solutions	63	W74
MI	Palisades ISFSI	W	14	24	2004	2011	TransNuclear	32	NUHOM-32
MI	Cook ISFSI	W	6	12	2012	2012	Holtec	32	HI-STORM 100s Ver B
MN	Prairie Island ISFSI	B	23	29	1995	2012	Transnuclear	40	TN-40
MN	Monticello ISFSI	W	10	10	2008	2008	Transnuclear	61	NUHOMS-61BT
MN	Prairie Island ISFSI	B	5	6	2013	2013	Transnuclear	40	TN-40HT
MS	Grand Gulf ISFSI	W	12	23	2006	2013	Holtec	68	HI-STORM
NC	McGuire ISFSI	B	17	10	2001	2003	Transnuclear	32	TN-32A
NC	McGuire ISFSI	W	14	28	2004	2009	NAC	24	NAC-UMS
NE	Fort Calhoun ISFSI	W	12	10	2006	2009	Transnuclear	32	NUHOMS 32P
NE	Cooper Station ISFSI	W	8	8	2010	2011	Transnuclear	8	61BT
NH	Seabrook ISFSI	W	10	6	2008	2008	Transnuclear	32	NUHOMS 32PTH

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ST	Storage Facility	B/W	2018 Age	Total Casks	First Load	Last Load	Vendor	Assm/Cask	Model*
NJ	Oyster Creek ISFSI	W	16	23	2002	2012	Transnuclear	61	TN-61B
NY	Fitzpatrick ISFSI	W	16	15	2002	2014	Holtec	68	HI-STORM
NY	Indian Point ISFSI	W	10	19	2008	2013	Holtec	32	HI-STORM 218
NY	Indian Point ISFSI	W	10	5	2008	2008	Holtec	32	HI-STORM IP1
NY	R. E. Ginna ISFSI	W	8	6	2010	2011	Transnuclear	32	NUHOMS 32-PT
NY	Nine Mile Point ISFSI	W	6	6	2012	2012	Transnuclear	62	NUHOMS-61BT
OH	Davis-Besse ISFSI	W	22	3	1996	1996	Transnuclear West/Vectra	3	NUHOMS 24P
OH	Perry ISFSI	W	6	6	2012	2012	Holtec	68	MPC-68
OR	Trojan ISFSI	W	15	29	2003	2003	Holtec	24	MPC24E
OR	Trojan ISFSI	W	15	5	2003	2003	Holtec	24	MPC24EF
PA	Susquehanna ISFSI	W	19	27	1999	2004	Transnuclear West	52	NUHOMS-52B
PA	Peach Bottom ISFSI	B	18	64	2000	2013	Transnuclear	68	TN-68
PA	Susquehanna ISFSI	W	14	44	2004	2012	Transnuclear West	61	NUHOMS-61BT
PA	Limerick ISFSI	W	10	24	2008	2013	Transnuclear	61	TN-61B
SC	HB Robinson 2 ISFSI	W	29	8	1989	1989	NUTECH	7	NUHOMS-7P
SC	Oconee ISFSI	W	28	40	1990	1996	Vectra Technologies, Inc.	24	NUHOMS-24P
SC	Oconee ISFSI	W	19	44	1999	2005	Transnuclear	24	NUHOMS-24P
SC	HB Robinson 2 ISFSI	W	13	14	2005	2011	Hitachi Zosen/Transnuclear	24	NUHOMS-24PTH-L
SC	Oconee ISFSI	W	12	45	2006	2013	Transnuclear	24	NUHOMS-24PHB
SC	Catawba ISFSI	W	11	24	2007	2011	NAC	24	NAC-UMS
SC	Catawba ISFSI	W	5	2	2013	2013	NAC	37	NAC-MAGNASTOR
TN	Sequoyah ISFSI	W	14	40	2004	2013	Holtec	32	MPC-32
TX	Comanche Peak ISFSI	W	6	9	2012	2012	Holtec	32	HI-STORM 100
VA	Surry ISFSI	B	32	25	1986	1996	GNSI	21	CASTORV/21
VA	Surry ISFSI	B	27	1	1991	1991	Westinghouse	24	MC-10
VA	Surry ISFSI	B	27	2	1991	1993	NAC	28	NAC-I28
VA	Surry ISFSI	B	24	1	1994	1994	GNSI	33	CASTOR X/33
VA	Surry ISFSI	B	21	26	1997	2006	Transnuclear	32	TN-32
VA	North Anna ISFSI	B	20	27	1998	2007	Transnuclear	32	TN-32
VA	Surry ISFSI	W	11	22	2007	2012	Transnuclear	32	NUHOMS-32PT
VA	North Anna ISFSI	W	10	18	2008	2013	Transnuclear	32	NUHOMS-32PT
VT	Vermont Yankee ISFSI	W	10	13	2008	2012	Holtec	68	HI-STORM MPC-68
WA	Columbia ISFSI	W	16	27	2002	2008	Holtec	68	HI-STORM
WI	Point Beach ISFSI	W	23	16	1995	2003	Sierra Nuclear	24	VSC-24*
WI	Point Beach ISFSI	W	14	23	2004	2012	Transnuclear	32	NUHOMS 32PTH
WI	Kewaunee ISFSI	W	9	8	2009	2011	Transnuclear	32	NUHOMS-32PT
WI	La Crosse ISFSI	W	6	5	2012	2012	NAC	68	NAC-MPC
TOTAL: 1754 canisters/casks (1563 thin-wall canisters (W) + 191 thick-wall casks (B)) as of 6/30/2013									

B/W: W = welded lid thin-wall canister (1/2" to 5/8" thick) stainless steel in vented overpacks, unless noted otherwise in Model*)

B = bolted lid thick metal cask (10" to 15" thick) used for both storage and transport (no air vents)

First Load: first year one or more canisters/casks loaded

Total: total canisters/casks loaded between First and Last Load dates for each model at storage facility

Assm/Cask: number of fuel assemblies per canister/cask

2018 Age: number of years earliest canisters/casks loaded as of 2018. Data as of 6/30/2013

Last Load: last year one or more canisters/casks loaded

***Model:** **HI-STAR HB Humboldt Bay** (1/2" thick) thin-wall canisters in unvented bolted-lid thick metal casks below ground

VSC-24 Arkansas, Palisades, Point Beach (1" thick) thin-wall carbon steel canisters

Sort: earliest date canister/cask loaded within each State

Source: DOE EIA inventory of commercial power reactor independent spent fuel storage installations (ISFSI) as of 6/30/2013