

**TABLE 1
ANNUAL REPORTING BURDEN**

**DNRL LIGHT WATER REACTORS & DANU NON-LIGHT WATER REACTORS (burden numbers combined below)
GENERAL PROVISIONS**

Section	Description of requirement	Number of Respondents Annually	Responses per Respondent Annually	Total Responses Annually	Burden per Response	Total Annual Burden Hours	Estimate Annual Cost @ \$290/hr
52.7 (Respondent is same as in Subpart C below.)	application for exemption	1	25	25	360	9000	\$2,610,000
Regulatory Guide (RG) 1.206, "Applications for Nuclear Power Plants"	conduct of pre-application activities	1	1	1	25,000	25000	\$7,250,000
Subtotal: General Provisions		2		26		34000	\$9,860,000

SUBPART A: EARLY SITE PERMITS (ESPs)

NRC expects 0 new ESP applications over the next 3 years. (0/3=0)

Section	Description of requirement	Number of Respondents Annually	Responses per Respondent Annually	Total Responses Annually	Burden per Response	Total Annual Burden Hours	Estimate Annual Cost @ \$290/hr
52.17(a)(1)	site safety analysis report	0	0	0	6000	0	\$0
52.17(b)(1)	submitting information on physical characteristics of the proposed site that could pose a significant impediment to the development of emergency plans	0	0	0	20	0	\$0
52.17(b)(2)(i) and 52.17(b)(3) without ITAAC	propose major features of the emergency plans in the site SAR	0	0	0	1000	0	\$0
52.17(b)(2)(i) and 52.17(b)(3) with ITAAC	propose major features of the emergency plans in the site SAR	0	0	0	2667	0	\$0
52.17(b)(2)(ii) and 52.17(b)(3)	propose complete and integrated emergency plans in the site SAR	0	0	0	2000	0	\$0
52.17(b)(2)(i) and 52.17(b)(3), 50.160 without ITAAC	ESP: Performance-Based Emergency Plan – Major Features without ITAAC application	0	0	0	900	0	\$0
52.17(b)(2)(i) and 52.17(b)(3), 50.160 with ITAAC	ESP: Performance-Based Emergency Plan – Major Features with ITAAC application	0	0	0	2,400	0	\$0
52.17(b)(2)(ii), 52.17(b)(3), 50.160	ESP: Performance-Based Emergency Plan – Complete EP with ITAAC Application	0	0	0	1,800	0	\$0
52.17(b)(4)	include a description of contacts and arrangements made with Federal, State, and local governmental agencies with emergency planning responsibilities	0	0	0	40	0	\$0
52.29(a)	requirements for a renewal application of any ESP	0	0	0	6000	0	\$0
52.35	requires the holder to notify the agency of the non-nuclear use	0	0	0	40	0	\$0
52.39(b)	applicants for a CP, OL, or COL who have filed an application referencing an ESP to update their emergency preparedness information provided under 52.17(b)			Burden covered under 10 CFR 52.79(b)			

52.39(d)	an applicant referencing an ESP may include in its application a request for a variance from one or more site characteristics, design parameters, or terms and conditions of the ESP, or from the site SAR	0	0	0	120	0	\$0
Subtotal: Subpart A		0	0	0	0	0	\$0

SUBPART B: STANDARD DESIGN CERTIFICATIONS (DCs)

NRC expects 1 new NLWR DC applications and 0 new NLWR or LWR DC renewal applications over the next 3 years. (1/3=0.33)

Section	Description of requirement	Number of Respondents Annually	Responses per Respondent Annually	Total Responses Annually	Burden per Response	Total Annual Burden Hours	Estimate Annual Cost @ \$290/hr
52.45	an application for a DC may be filed even if an application for a CP or COL for such a facility has not been filed	Burden covered under 10 CFR 52.46 and 52.47					
52.47(a), except (a)(6) & (a)(27)	requires that a DC application contain a Final Safety Analysis Report (FSAR)	0.33	1	0.33	35,300	11,649	\$3,378,210
52.47(a)(27)	requires a DC application to contain a FSAR that describes the design-specific probabilistic risk assessment (PRA) and its results	0.33	1	0.33	45,400	14,982	\$4,344,780
52.47(b)(1)	requires that a DC application contain proposed inspections, tests, analyses, and acceptance criteria (ITAAC)	0.33	1	0.33	25,300	8,349	\$2,421,210
52.47(c)(1)	requires that an application for certification of a nuclear power reactor design that is an evolutionary change from light-water reactor (LWA) designs of plants must provide an essentially complete NPP design except for site-specific elements.	Burden covered under 10 CFR 52.47(a) and 52.47(b)					
52.47(c)(2)	requires that an application for certification of a nuclear power reactor design that differs significantly from the LWA designs described in paragraph (c)(1) or uses simplified, inherent, passive, or other innovative means to accomplish its safety functions must provide an essentially complete nuclear power reactor design except for site-specific elements and meet the requirements of 10 CFR 50.43(e).	Burden covered under 10 CFR 52.47(a) and 52.47(b)					
52.51	requires that applicants for DC must submit a design control document (DCD) prior to completing a proposed rule for certifying a standard design by rulemaking is essentially the same requirement of Section 52.47(a).	Burden covered under 10 CFR 52.47(a)					
52.57(a)	provides a procedure for application for renewal of a DC	0	0	0	10,000	0	\$0
52.63(b)(1)	n/a	Burden covered under 10 CFR 52.7					

Subtotal: Subpart B

0.33

1

34,980

\$10,144,200

^[1] Due to rounding, the total burden cost may not equal the sum of the costs of the individual requirements.

SUBPART C: COMBINED LICENSES (COLs)

NRC expects 1 new LWR COL application and 2 new NLWR COL applications over the next 3 years (3/3=1 responses/year)

0 new LWR or NLWR COLs referencing a DC application (0/3=0 responses/year)

1 LWR COLs under construction; 0 NLWR COLs under construction; 0 COLs decommissioning

NRC expects to receive a total of 1 LWR and 0 NLWR All ITAAC Complete Notifications over the next 3 years (1/3=0.33)

Section	Description of requirement	Number of Respondents Annually	Responses per Respondent Annually	Total Responses Annually	Burden per Response	Total Annual Burden Hours	Estimate Annual Cost @ \$290/hr
52.79(a), except (a)(45) & (a)(46) - with deterministic Emergency Plan	addresses a COL application that does not reference any other type of Part 52 license, certification, or approval, with deterministic, complete Emergency Plan	0.67	1	0.67	58,420	39,141	\$11,351,006
52.79(a), except (a)(45) & (a)(46) - with performance-based Emergency Plan (50.160)	addresses a COL application that does not reference any other type of Part 52 license, certification, or approval, with performance-based Emergency Plan	0	0	0	58,220	0	\$0
52.79(a)(46)	requires a COL application to contain a FSAR that describes the plant-specific probabilistic risk assessment or analysis (PRA) and its results	1	1	1	54,000	54,000	\$15,660,000
52.79(b)	addresses a COL application that references an ESP	0	0	0	102,368	0	\$0
52.79(c)	addresses a COL application that references a design approval	0.33	1	0.33	46,460	15,332	\$4,446,222
52.79(d)	addresses a COL application that references a DC	0	0	0	31,460	0	\$0
52.79(e)	addresses a COL application that references a manufactured reactor licensed under Subpart F of 10 CFR Part 52	0	0	0	36,460	0	\$0
52.79(b) & (d)	addresses a COL application that references both an ESP and DC	0	0	0	26,560	0	\$0
52.80(a) – 40,000 hours for applications which do not reference a DC application	requires that a COL application contain the proposed inspections, tests, and analyses, including those applicable to emergency planning, that the licensee shall perform	1	1	1	40,000	40,000	\$11,600,000
52.80(a) - 10,000 hours for applications that do reference a certified design	requires that a COL application contain the proposed inspections, tests, and analyses, including those applicable to emergency	0	0	0	10,000	0	\$0
52.80(d)	requires applicants for power reactor operating licenses under Part 52 to include in their applications information on the plan for implementing the requirements of 10 CFR 50.155(b), and the requirement and planned locations of the equipment on which the strategies and guidelines will rely	1	1	1	300	300	\$87,000

52.93(a)	allows applicants for a COL under this subpart, or any amendment to a COL, to include in the application a request for an exemption from one or more of the Commission's regulations. Information submitted with an exemption request would be used to determine if the exemption is authorized by law, will not present an undue risk to public health and safety, and is consistent with the common defense and security, or if other special circumstances are present requiring consideration of the exemption request.	Burden covered under 10 CFR 52.7					
52.93(b)	allows applicants for a COL referencing an ESP to include in the application a request for a variance from one or more site characteristics, design parameters, or terms and conditions of the permit, or from the site SAR. The NRC would use the information in an applicant's request for a variance to determine if the information that did not conform to the ESP was in conformance with the NRC's regulations.	Burden covered under 10 CFR 52.39					
52.93(c)	allows applicants for a COL referencing a nuclear power reactor manufactured under a ML to include in the application a request for a departure from one or more design characteristics, site parameters, terms and conditions, or approved design of the manufactured reactor. The NRC would use the information in an applicant's request for a departure to determine if the information that did not conform to the ML or approved design of the manufactured reactor was in conformance with the NRC's regulations.	Burden covered under 10 CFR 52.171					
52.99(a)	requires licensees to submit to the NRC, no later than 1 year after issuance of a COL, a detailed schedule for completing the inspections, tests, or analyses in the ITAAC and provide updates to the ITAAC schedule every 6 months thereafter	0.33	1	0.33	20	7	\$1,914
52.99(c)(1)	requires that, after issuance of the COL, the licensee notify the NRC that the inspections, tests, or analyses in the ITAAC have been successfully completed and that the corresponding acceptance criteria have been met (ITAAC Closure Notification)	0.33	41	13.53	40	541	\$156,948

52.99(c)(2)	requires that the licensee notify the NRC in a timely manner of new information that materially alters the basis for determining that either inspections, tests, or analyses were performed as required, or that acceptance criteria are met (ITAAC Post-closure Notifications)	0.33	2	0.66	20	13	\$3,828
52.99(c)(3)	requires that, if the licensee has not provided, by the date 225 days before the scheduled date for initial loading of fuel, the notification required by paragraph (c)(1) of this section for all ITAAC, then the licensee must notify the NRC that the inspections, tests, or analyses for all uncompleted ITAAC will be successfully completed and all acceptance criteria will be met prior to operation (Uncompleted ITAAC Notifications)	0	1	0	40	0	\$0
52.99(c)(4)	requires that the licensee to notify the NRC that all ITAAC are complete (All ITAAC Complete Notification)	0.33	1	0.33	8	3	\$766
52.99(d)(1) & 52.99(d)(2)	These sections states that in the event that an activity is subject to an ITAAC derived from a referenced ESP or standard DC and the licensee has not demonstrated that the ITAAC has been met, the licensee may take corrective actions to successfully complete that ITAAC, request a variance from the ESP ITAAC, or request an exemption from the standard DC ITAAC, as applicable. In the event that an activity is subject to an ITAAC not derived from a referenced ESP or standard DC and the licensee has not demonstrated that the ITAAC has been met, the licensee may take corrective actions to successfully complete that ITAAC or request a license amendment under ' 52.98(f). The information submitted under this section would be used by the NRC to determine if the applicant met the NRC's requirements related to the particular ITAAC that had not been successfully completed.	Burden covered under 10 CFR 52.39 (variances) and 52.7 (exemptions)					
52.103(a)	requires that the licensee shall notify the NRC of its scheduled date for initial loading of fuel no later than 270 days before the scheduled date and shall notify the NRC of updates to its schedule every 30 days thereafter	0.33	1	0.33	10	3	\$957
52.110(a)	requirements for when a licensee has determined to permanently cease operations	0	0	0	20	0	\$0

52.110(d)	requires that, before or within 2 years following permanent cessation of operations, the licensee submit a post shutdown decommissioning activities report	0	0	0	3,000	0	\$0
52.110(g)	requirements following submittal of the post-shutdown decommissioning activities report	0	0	0	20	0	\$0
52.110(h)(3)	requires that within 2 years following permanent cessation of operations, if not already submitted, the licensee shall submit a site-specific decommissioning cost estimate	0	0	0	20	0	\$0
52.110(h)(4)	requirements for decommissioning activities	0	0	0	20	0	\$0
Subtotal: Subpart C		1.33		19.18		149,340	\$43,308,641

SUBPART E: STANDARD DESIGN APPROVALS

NRC expects 0 new LWR and 1 new NLWR design approval applications over the next 3 years (1/3=0.33 responses per year)

Section	Description of requirement	Number of Respondents Annually	Responses per Respondent Annually	Total Responses Annually	Burden per Response	Total Annual Burden Hours	Estimate Annual Cost @ \$290/hr
52.137(a), except (a)(6) & (a)(25)	requires that a design approval application contain a FSAR	0.33	1	0.33	42,000	13,860	\$4,019,400
52.137(a)(25)	requires a design approval application to contain a FSAR that describes the design-specific PRA and its results	0.33	1	0.33	54,000	17,820	\$5,167,800
Subtotal: Subpart E		0.33		0.66		31,680	\$9,187,200

SUBPART F: MANUFACTURING LICENSES

NRC expects 0 LWR and 1 new NLWR manufacturing license applications over the next 3 years (1/3=0.33 responses per year).

Section	Description of requirement	Number of Respondents Annually	Responses per Respondent Annually	Total Responses Annually	Burden per Response	Total Annual Burden Hours	Estimate Annual Cost @ \$290/hr
52.157, except 52.157(f)(9) & (f)(31)	requires that a ML application contain a FSAR	0.33	1	0.33	50,000	16,500	
52.157(f)(31)	requires a ML application to contain a FSAR that describes the design-specific PRA and its results	0.33	1	0.33	54,000	17,820	\$5,167,800
52.158(a)	require that a ML application contain the proposed inspections, tests and analyses that the licensee who will be operating the reactor shall perform, and the acceptance criteria	0.33	1	0.33	30,000	9,900	\$2,871,000

52.177	contains requirements for renewal of an application for a ML previously issued by the NRC	0	0	0	10,000	0	\$0
Subtotal: Subpart F		0.33		1		44,220	\$8,038,800

APPENDIX A: ABWR DESIGN CERTIFICATION RULE

NRC expects 0 COL applicants referencing the ABWR Design Certification Rule over the next 3 years.

NRC expects 0 COL licensees referencing Appendix A NOT under construction over the next 3 years.

Section	Description of requirement	Number of Respondents Annually	Responses per Respondent Annually	Total Responses Annually	Burden per Response	Total Annual Burden Hours	Estimate Annual Cost @ \$290/hr
X.A.2	requires an applicant or licensee who references this design certification to maintain the plant-specific DCD throughout the period of the application and for the term of the license.	Burden covered under 10 CFR 52.99(c)(1)					
X.B.1	requires applicants or licensees who reference the DC to submit reports on plant-specific departures from the DCD	0	0	0	0	0	\$0
X.B.2	requires applicants or licensees who reference this DC to submit updates to its DCD	0	0	0	0	0	\$0
X.B.3.c	states that after the Commission has authorized operation of the nuclear plant, the frequency for submitting reports and updates returns to the frequency required by 10 CFR 50.59 and 50.71, respectively.	Burden covered under X.B.1 and X.B.2					
Appendix A Total		0		0		0	\$0

APPENDIX B: SYSTEM 80+ DESIGN CERTIFICATION RULE

NRC expects 0 applicants to reference the System 80+ Design Certification Rule over the next 3 years.

NRC expects 0 COLs referencing Appendix B under construction over the next 3 years

Section	Description of requirement	Number of Respondents Annually	Responses per Respondent Annually	Total Responses Annually	Burden per Response	Total Annual Burden Hours	Estimate Annual Cost @ \$290/hr
X.A.2	requires an applicant or licensee who references this design certification to maintain the plant-specific DCD throughout the period of the application and for the term of the license.	Burden covered under 10 CFR 52.99(c)(1)					
X.B.1	requires applicants or licensees who reference the DC to submit reports on plant-specific departures from the DCD	0	0	0	8	0	\$0
X.B.2	requires applicants or licensees who reference this DC to submit updates to its DCD	0	0	0	500	0	\$0

X.B.3.c	states that after the Commission has authorized operation of the nuclear plant, the frequency for submitting reports and updates returns to the frequency required by 10 CFR 50.59 and 50.71, respectively.	Burden covered under X.B.1 and X.B.2				
Appendix B Total		0	0	0	0	\$0

APPENDIX C: AP600 DESIGN CERTIFICATION RULE

NRC expects 0 applicants to reference the AP600 Design Certification Rule over the next 3 years.

NRC expects 0 COLs referencing Appendix C under construction over the next 3 years

Section	Description of requirement	Number of Respondents Annually	Responses per Respondent Annually	Total Responses Annually	Burden per Response	Total Annual Burden Hours	Estimate Annual Cost @ \$290/hr
X.A.2	requires an applicant or licensee who references this design certification to maintain the plant-specific DCD throughout the period of the application and for the term of the license.	Burden covered under 10 CFR 52.99(c)(1)					
X.B.1	requires applicants or licensees who reference the DC to submit reports on plant-specific departures from the DCD	0	0	0	8	0	\$0
X.B.2	requires applicants or licensees who reference this DC to submit updates to its DCD	0	0	0	500	0	\$0
X.B.3.c	states that after the Commission has authorized operation of the nuclear plant, the frequency for submitting reports and updates returns to the frequency required by 10 CFR 50.59 and 50.71, respectively.	Burden covered under X.B.1 and X.B.2					
Appendix C Total		0	0	0	0	0	\$0

APPENDIX D: AP1000 DESIGN CERTIFICATION RULE

NRC expects 0 COL applicants to reference the AP1000 Design Certification Rule over the next 3 years.

NRC expects 0 COL licensees referencing Appendix D under construction over the next 3 years.

NRC expects 0 COL licensees referencing Appendix D NOT under construction over the next 3 years.

Section	Description of requirement	Number of Respondents Annually	Responses per Respondent Annually	Total Responses Annually	Burden per Response	Total Annual Burden Hours	Estimate Annual Cost @ \$290/hr
X.A.2	requires an applicant or licensee who references this design certification to maintain the plant-specific DCD throughout the period of the application and for the term of the license.	Burden covered under 10 CFR 52.99(c)(1)					
X.B.1	requires applicants or licensees who reference the DC to submit reports on plant-specific departures from the DCD	0	0	0	8	0	\$0
X.B.2	requires applicants or licensees who reference this DC to submit updates to its DCD	0	0	0	500	0	\$0

X.B.3.c	states that after the Commission has authorized operation of the nuclear plant, the frequency for submitting reports and updates returns to the frequency required by 10 CFR 50.59 and 50.71, respectively.	Burden covered under X.B.1 and X.B.2			
Appendix D Total		0	0	0	\$0

APPENDIX E: ESBWR DESIGN CERTIFICATION RULE

NRC expects 0 COL applicants to reference the ESBWR Design Certification Rule over the next 3 years.

NRC expects 0 COL licensees referencing Appendix E NOT under construction over the next 3 years.

Section	Description of requirement	Number of Respondents Annually	Responses per Respondent Annually	Total Responses Annually	Burden per Response	Total Annual Burden Hours	Estimate Annual Cost @ \$290/hr
IV.A.2.a, c, h	Section IV.A.2.a requires a plant-specific DCD as part of the COL application. This section partially fulfills the requirements for contents of applications for a COL (10 CFR 52.79) and ensures that the COL applicant commits to complying with the DCD. Section IV.A.2.c requires plant-specific technical specifications (10 CFR 50.36 and 50.36a) as part of the COL application. This information collection is the same as for 10 CFR 50.36, but the timing of the burden is earlier (10 CFR 52.79). Section IV.A.2.h requires information required by 10 CFR 52.47(a), that is not within the scope of this design certification, as part of the COL application. This section fulfills part of the requirements for a COL (10 CFR 52.79).	Burden covered in 10 CFR 52.79					
IV.A.2.b	requires reports on departures from and updates to the DCD, under Section X.B of Appendix G, as part of the COL application. This section ensures that the COL application is up-to-date.	Burden included in X.B below					
X.B.1	requires applicants or licensees who reference the DC to submit reports on plant-specific departures from the DCD	0	0	0	0	0	\$0
X.B.2	requires applicants or licensees who reference this DC to submit updates to its DCD	0	0	0	0	0	\$0
X.B.3.a	requires submittal of reports and updates to the generic DCD with the initial COL application. This requirement ensures that the initial application is up-to-date and partially fulfills the requirements contents of applications in 10 CFR 52.79.	Burden covered in 10 CFR 52.79					

X.B.3.b	requires that during the period of review of the application and construction of a facility that references this design certification, summary reports on changes to the design must be submitted semi-annually. These reports are needed to provide timely notification of design changes during the critical period of application review and facility construction.	Burden covered in X.B.1, X.B.2			
X.B.3.c	states that after the Commission has authorized operation of the nuclear plant, the frequency for submitting reports and updates returns to the frequency required by 10 CFR 50.59 and 50.71, respectively.	Burden in 10 CFR 50.59(d) + 10 CFR 50.71(e)			
Appendix E Total		0	0	0	\$0
Subtotal: Appendices A through E		0	0	0	\$0

^[1] Due to rounding, the total burden cost may not equal the sum of the costs of the individual requirements.

APPENDIX F: DESIGN CERTIFICATION FOR THE APR1400 DESIGN
NRC expects 0 combined license applicants to use Appendix F over the next 3 years.

Section	Description of requirement	No. of Respondents	Responses / Respondent	Total No. of Responses	Burden per Response	Total Annual Burden (Hrs)	Cost @ \$290/Hr
IV.A.2.a) (COL applicant)	requires a plant-specific DCD as part of the COL application. This section partially fulfills the requirements for contents of applications for a COL (10 CFR 52.79) and ensures that the COL applicant commits to complying with the DCD.	Burden covered under 10 CFR 52.79					
IV.A.2.b (COL applicant)	requires reports on departures from and updates to the DCD, under Section X.B of Appendix G, as part of the COL application. This section ensures that the COL application is up-to-date	Burden included in X.B below					
IV.A.2.c (COL applicant)	requires plant-specific technical specifications (10 CFR 50.36 and 50.36a) as part of the COL application. This information collection is the same as for 10 CFR 50.36, but the timing of the burden is earlier (10 CFR 52.79).	Burden covered under 10 CFR 52.79					
IV.A.2.d (COL applicant)	requires information demonstrating compliance with site parameters and interface requirements as part of the COL application. This section fulfills part of the requirements for a COL (10 CFR 52.79).	Burden covered under 10 CFR 52.79					
IV.A.2.e (COL applicant)	requires the COL applicant to address COL items in the generic DCD as part of the COL application. This section fulfills part of the requirements for a COL (10 CFR 52.79).	Burden covered under 10 CFR 52.79					

IV.A.2.f (COL applicant)	requires information required by 10 CFR 52.47(a), that is not within the scope of this design certification, as part of the COL application. This section fulfills part of the requirements for a COL (10 CFR 52.79).	Burden covered under 10 CFR 52.79					
IV.A.2.g (COL applicant)	requires information required by 10 CFR 52.47(a), that is not within the scope of this design certification, as part of the COL application. This section fulfills part of the requirements for a COL (10 CFR 52.79).	Burden covered under 10 CFR 52.79					
IV.A.2.h (COL applicant)	requires information required by 10 CFR 52.47(a), that is not within the scope of this design certification, as part of the COL application. This section fulfills part of the requirements for a COL (10 CFR 52.79).	Burden covered under 10 CFR 52.79					
IV.A.3 (COL applicant)	requires the COL applicant to include, in the plant-specific DCD, the proprietary and safeguards information referenced in the generic DCD to ensure that the applicant has actual notice of these requirements. This section fulfills part of the requirements for contents of applications for a COL (10 CFR 52.79).	Burden covered under 10 CFR 52.79					
X.B.1 (COL applicant)	requires COL applicants or licensees who reference this design certification to submit reports on departures from the plant-specific DCD. This section is similar to the requirements in 10 CFR 50.59(d)(2).	0	1	0	8	0	\$0
X.B.2 (COL applicant)	requires COL applicants or licensees who reference this design certification to submit updates to its plant-specific DCD that reflect generic changes to and plant specific departures from the generic DCD. This section is similar to the requirements in 10 CFR 50.71(e).	0	1	0	500	0	\$0
X.B.3.a	requires submittal of reports and updates to the generic DCD with the initial COL application. This requirement ensures that the initial application is up-to-date and partially fulfills the requirements contents of applications in 10 CFR 52.79.	Burden covered under 10 CFR 52.79					
X.B.3.b	requires that during the period of review of the application and construction of a facility that references this design certification, summary reports on changes to the design must be submitted semi-annually. These reports are needed to provide timely notification of design changes during the critical period of application review and facility construction.	Burden covered under X.B.1, X.B.2					

X.B.3.c	states that after the Commission has authorized operation of the nuclear plant, the frequency for submitting reports and updates returns to the frequency required by 10 CFR 50.59 and 50.71, respectively.	(Burden covered under 10 CFR 50.59(d) + 10 CFR 50.71(e))				
Total		0		0	0	0

APPENDIX G: DESIGN CERTIFICATION FOR THE NUSCALE DESIGN

NRC expects 0 combined license applicants to use Appendix G over the next 3 years.

	Description of requirement	No. of Respondents	Responses / Respondent	Total No. of Responses	Burden per Response	Total Annual Burden (Hrs)	Cost @ \$290/Hr
IV.A.2.a	requires a plant-specific DCD as part of the COL application. This section partially fulfills the requirements for contents of applications for a COL (10 CFR 52.79) and ensures that the COL applicant commits to complying with the DCD.					(Burden covered under 10 CFR 52.79) (COL applicant)	
IV.A.2.b	requires reports on departures from and updates to the DCD, under Section X.B of Appendix G, as part of the COL application. This section ensures that the COL application is up-to-date.					(Burden included in X.B below) (COL applicant)	
IV.A.2.c	requires plant-specific technical specifications (10 CFR 50.36 and 50.36a) as part of the COL application. This information collection is the same as for 10 CFR 50.36, but the timing of the burden is earlier (10 CFR 52.79).					Burden covered under 10 CFR 52.79) (COL applicant)	
IV.A.2.d	requires information demonstrating compliance with site parameters and interface requirements as part of the COL application. This section fulfills part of the requirements for a COL (10 CFR 52.79).					(Burden covered under 10 CFR 52.79) (COL applicant)	
IV.A.2.e	requires the COL applicant to address COL items in the generic DCD as part of the COL application. This section fulfills part of the requirements for a COL (10 CFR 52.79).					(Burden covered under 10 CFR 52.79) (COL applicant)	
IV.A.2.f	requires information required by 10 CFR 52.47(a), that is not within the scope of this design certification, as part of the COL application. This section fulfills part of the requirements for a COL (10 CFR 52.79).					(Burden covered under 10 CFR 52.79) (COL applicant)	
IV.A.2.g	requires information required by 10 CFR 52.47(a), that is not within the scope of this design certification, as part of the COL application. This section fulfills part of the requirements for a COL (10 CFR 52.79).					(Burden covered under 10 CFR 52.79) (COL applicant)	

IV.A.2.h	requires information required by 10 CFR 52.47(a), that is not within the scope of this design certification, as part of the COL application. This section fulfills part of the requirements for a COL (10 CFR 52.79). n/a	(Burden covered under 10 CFR 52.79) (COL applicant)					
IV.A.3	requires the COL applicant to include, in the plant-specific DCD, the proprietary and safeguards information referenced in the generic DCD to ensure that the applicant has actual notice of these requirements. This section fulfills part of the requirements for contents of applications for a COL (10 CFR 52.79).	(Burden covered under 10 CFR 52.79) (COL applicant)					
IV.A.4	requires the COL applicant to include, as part of the COL application, information demonstrating that an entity other than NuScale Power is qualified to supply the NuScale design, unless NuScale Power supplies the design for the COL applicant's use.	(Burden covered under 10 CFR 52.79) (COL applicant)					
X.B.1 (COL applicant)	requires COL applicants or licensees who reference this design certification to submit reports on departures from the plant-specific DCD. This section is similar to the requirements in 10 CFR 50.59(d)(2).	0	0	0	0	0	\$0
X.B.2 (COL applicant)	requires COL applicants or licensees who reference this design certification to submit updates to its plant-specific DCD that reflect generic changes to and plant specific departures from the generic DCD. This section is similar to the requirements in 10 CFR 50.71(e).	0	0	0	0	0	\$0
X.B.3.a	requires submittal of reports and updates to the generic DCD with the initial COL application. This requirement ensures that the initial application is up-to-date and partially fulfills the requirements contents of applications in 10 CFR 52.79.	(Burden covered under 10 CFR 52.79)					
X.B.3.b	requires that during the period of review of the application and construction of a facility that references this design certification, summary reports on changes to the design must be submitted semi-annually. These reports are needed to provide timely notification of design changes during the critical period of application review and facility construction.	(Burden covered under X.B.1, X.B.2)					

X.B.3.c	states that after the Commission has authorized operation of the nuclear plant, the frequency for submitting reports and updates returns to the frequency required by 10 CFR 50.59 and 50.71, respectively.	(Burden covered under 10 CFR 50.59(d) + 10 CFR 50.71(e))				
Total		0	0	0	0	\$0

***The respondents in X.B.1 and X.B.2 are the same entity and should not be double counted in the total.

**APPENDIX N: STANDARDIZATION OF NUCLEAR POWER PLANT DESIGNS:
COMBINED LICENSES TO CONSTRUCT AND OPERATE NUCLEAR POWER REACTORS OF IDENTICAL DESIGN AT MULTIPLE SITES
NRC expects 0 combined license applicants to use Appendix N over the next 3 years.**

Section	Description of requirement	Number of Respondents Annually	Responses per Respondent Annually	Total Responses Annually	Burden per Response	Total Annual Burden Hours	Estimate Annual Cost @ \$290/hr
Paragraph 2	requires that each COL application submitted pursuant to this appendix be submitted as specified in 52.75 and 10 CFR 2.101 and that each application state that the applicant wishes to have the application considered under 10 CFR Part 52, Appendix N	0	0	0	10	0	\$0
Paragraph 3	requirements for what each application should include	0	0	0	40	0	\$0
Paragraph 4	This paragraph requires that each COL application submitted pursuant to this appendix contain an ER as required by 52.80(b), and which complies with the applicable provisions of 10 CFR Part 51 and states that the application may incorporate by reference a single ER on the environmental impacts of the common design.	Burden covered under 10 CFR 52.80©					
Subtotal: Appendix N		0		0		0	\$0
Total Part 52 Reporting Burden		4		48		294,220	\$80,538,841

**TABLE 3
ANNUAL REPORTING BURDEN UNDER 10 CFR 52.99(a)
10 CFR PART 52**

NOTE: Bell Bend, Callaway, Calvert Cliffs, Comanche Peak, Grand Gulf, Nine Mile Point, River Bend, Lee, Shearon Harris, Bellefonte, and Victoria County COL applications are suspended or withdrawn; and

Applicant/Licensee Name	Reporting Section	2024	2025	2026
NuScale DC application	Subpart B	A (Feb 2023)		
NuScale SDA application (30 month review started March 2023)	Subpart B	N	N	N
CFPP/UAMPS COL application *	Subpart C	N	N	N
AP1000 DC renewal application *	Subpart B		N	N
Vogtle Unit 3 COL	Subpart C & Appendix D	Z		
Vogtle Unit 4 COL	Subpart C & Appendix D	Z		
COL A (non-LWR reactor)*	Subpart C	N	N	N

COL B (non-LWR reactor)*	Subpart C			N		
ML (non-LWR reactor)*	Subpart F		N	N		
SDA (non-LWR reactor)*	Subpart E		N	N		
DC (non-LWR reactor)*	Subpart B		N	N		

Notes:
 * = new application submitted during this reporting period
 N = license/permit/design certification not yet issued; A = license/permit/design certification issued; Z = initial fuel load
 Continue ITAAC complete notifications 12 per year until notification of all ITAAC met
 For reporting purposes it is assume that each unit will submit a separate report

**TABLE 2
ANNUAL RECORDKEEPING BURDEN
10 CFR PART 52**

NRC expects 5 new NLWR applications (includes 1 DC, 2 COLs, 1 ML, a 1 SDA) and 1 new LWR COL application to be submitted over the next 3 years
NRC expects 0 new DC renewal applications to be submitted over the next 3 years.

Section	Description of requirement	Number of Record keepers	Burden Hrs. per Record keeper	Total Annual Burden Hours	Estimate Annual Cost @ \$290/hr
52.47	requirements for the contents of applications for the certification of a standard plant design	2	500	1,000	\$290,000
Regulatory Guide (RG) 1.206, "Applications for Nuclear Power Plants"	provides guidance on the format and content of applications and on the conduct of pre-application activities submitted under 10 CFR Part 52.	2	5000	10,000	\$2,900,000
52.57(a)-renewals	provides a procedure for application for renewal of a DC - requires updating any of the information that was submitted under Sections 52.46 and 52.47	0	500	0	\$0
52.63(b)(2)	requires that licensees who reference a standard DC must maintain records of all changes to the facility	1	1,500	1,500	\$435,000
52.63(c) & 52.73(b)	requires applicants for CPs, OLs, or COLs who reference standard DCs, SDAs, or MLs to acquire or complete, and make available for audit, detailed design-related information normally contained in procurement, construction, and installation specifications	1	500	500	\$145,000
Subtotal		6		13,000	\$3,770,000

Recordkeepers under 52.63(b)(2) and 52.63(b) are noted as the same record keeper and are only counted once.

APPENDIX A: ABWR DESIGN CERTIFICATION RULE

NRC expects 0 applicant to maintain records for the ABWR Design Certification Rule over the next 3 years.

Section	Description of requirement	Number of Record keepers	Burden Hrs. per Record keeper	Total Annual Burden Hours	Estimate Annual Cost @ \$290/hr
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X.A.1	requires that the applicant for the DC maintain a copy of the generic DCD and maintain the proprietary and safeguards information referenced in the generic DCD for the period that the appendix may be referenced	1	34	34	\$9,860
X.A.2	requires an applicant or licensee who references this design certification to maintain the plant-specific DCD throughout the period of the application and for the term of the license.	Burden covered under 10 CFR 50.71(e)			
X.A.3	requires an applicant or licensee who references this design certification to prepare and maintain the bases for its changes to this design certification throughout the period of the application and the term of the license.	Burden covered under 10 CFR 50.59(d)			
X.A.4.a	Requires the applicant for the amendment to the U.S. ABWR design to maintain a copy of the aircraft impact assessment performed to comply with the requirements of 10 CFR 50.150(a) for the term of the certification (including any period of renewal)	0	1	0	\$0
X.A.4.a	Requires the applicant for the amendment to the ABWR design to maintain a copy of the aircraft impact assessment performed to comply with the requirements of 10 CFR 50.150(a) for the term of the certification (including any period of renewal)	0	1	0	\$0

Appendix A Total	1	34	\$9,860
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^[1] Due to rounding, the total burden cost may not equal the sum of the costs of the individual requirements.

APPENDIX B: SYSTEM 80+ DESIGN CERTIFICATION RULE

NRC expects 0 applicant to maintain records for the System 80+ Design Certification Rule over the next 3 years. (This certified design has expired)

Section	Description of requirement	Number of Record	Burden Hrs. per Record keeper	Total Annual Burden	Estimate Annual Cost @
X.A.1	requires that the applicant for the DC maintain a copy of the generic DCD and maintain the proprietary and safeguards information referenced in the generic DCD for the period that the appendix may be referenced	0	0	0	\$0
X.A.2	requires an applicant or licensee who references this design certification to maintain the plant-specific DCD throughout the period of the application and for the term of the license.	Burden covered under 10 CFR 50.71(e)			
X.A.3	requires an applicant or licensee who references this design certification to prepare and maintain the bases for its changes to this design certification throughout the period of the application and the term of the license.	Burden covered under 10 CFR 50.59(d)			
Appendix B Total		0		0	\$0

APPENDIX C: AP600 DESIGN CERTIFICATION RULE

NRC expects 0 applicant to maintain records for the AP600 Design Certification Rule over the next 3 years. (This certified design has expired)

Section	Number of Record keepers	Burden Hrs. per Record keeper	Total Annual Burden Hours	Estimate Annual Cost @ \$290/hr
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X.A.1	requires that the applicant for the DC maintain a copy of the generic DCD and maintain the proprietary and safeguards information referenced in the generic DCD for the period that the appendix may be referenced	0	0	0	\$0
X.A.2	requires an applicant or licensee who references this design certification to maintain the plant-specific DCD throughout the period of the application and for the term of the license.	Burden covered under 10 CFR 50.71(e)			
X.A.3	requires an applicant or licensee who references this design certification to prepare and maintain the bases for its changes to this design certification throughout the period of the application and the term of the license.	Burden covered under 10 CFR 50.59(d)			
Appendix C Total		0		0	\$0

APPENDIX D: AP1000 DESIGN CERTIFICATION RULE

NRC expects 1 applicant for two plants to maintain records for the AP1000 Design Certification Rule over the next 3 years

Section	Description of requirement	Number of Record keepers	Burden Hrs. per Record keeper	Total Annual Burden Hours	Estimate Annual Cost @ \$290/hr
X.A.1	requires that the applicant for the DC maintain a copy of the generic DCD and maintain the proprietary and safeguards information referenced in the generic DCD for the period that the appendix may be referenced	1	34	34	\$9,860
X.A.2	requires an applicant or licensee who references this design certification to maintain the plant-specific DCD throughout the period of the application and for the term of the license.	Burden covered under 10 CFR 50.71(e)			

X.A.3	requires an applicant or licensee who references this design certification to prepare and maintain the bases for its changes to this design certification throughout the period of the application and the term of the license.	Burden covered under 10 CFR 50.59(d)			
Appendix D Total		1		34	\$9,860

APPENDIX E: ESBWR DESIGN CERTIFICATION RULE

NRC expects 1 applicant to maintain records for the ESBWR Design Certification Rule over the next 3 years.

Section	Description of requirement	No. of Recordkeepers	Burden Hours per Recordkeeper	Total Annual Burden Hours	Cost @ \$290/Hr
X.A.1	requires that the applicant for the DC maintain a copy of the generic DCD and maintain the proprietary and safeguards information referenced in the generic DCD for the period that the appendix may be referenced	1	34	34	\$9,860
X.A.2	requires an applicant or licensee who references this design certification to maintain the plant-specific DCD throughout the period of the application and for the term of the license.	Burden covered under 10 CFR 50.71(e)			
X.A.3	requires an applicant or licensee who references this design certification to prepare and maintain the bases for its changes to this design certification throughout the period of the application and the term of the license.	Burden covered under 10 CFR 50.59(d)			
Appendix E Total		1		34	\$9,860

APPENDIX F: APR1400 DESIGN CERTIFICATION RULE

NRC expects 1 applicant to maintain records for the APR1400 Design Certification Rule over the next 3 years

Section	Description of requirement	No. of Recordkeepers	Burden Hours per Recordkeeper	Total Annual Burden Hours	Cost @ \$290/Hr
X.A.1(similar burden to 10 CFR 50.71(e)) (DCD applicant)	requires that the applicant for this appendix shall maintain a copy of the generic DCD that includes all generic changes that are made to Tier 1 and Tier 2, and the generic TS and other operational requirements.	1	34	34	\$9,860

X.A.2	requires an applicant or licensee who references this design certification to maintain the plant-specific DCD throughout the period of the application and for the term of the license.	Burden covered under 10 CFR 50.71(e)			
X.A.3	requires an applicant or licensee who references this design certification to prepare and maintain the bases for its changes to this design certification throughout the period of the application and the term of the license.	Burden covered under 10 CFR 50.59(d)			
X.A.4.a (DCD applicant)	requires that the applicant for the APR1400 design shall maintain a copy of the aircraft impact assessment performed to comply with the requirements of 10 CFR 50.150(a) for the term of the certification (including any period of renewal)	1	3	3	\$870
X.A.4.b (COL applicant)	requires that the applicant or licensee who references this appendix shall maintain a copy of the aircraft impact assessment performed to comply with the requirements of 10 CFR 50.150(a) throughout the pendency of the application and for the term of the license (including any periods	1	3	3	\$870
Appendix F Total		1		40	\$11,600

APPENDIX G: NUSCALE DESIGN CERTIFICATION RULE

NRC expects 1 applicant to maintain records for the Nuscale Design Certification Rule over the next 3 years.

Section	Description of requirement	No. of Recordkeepers	Burden Hours per Recordkeeper	Total Annual Burden Hours	Cost @ \$290/Hr
X.A.1(similar burden to 10 CFR 50.71(e)) (DCD applicant)		1	103	103.0	\$29,870
X.A.2	requires an applicant or licensee who references this design certification to maintain the plant-specific DCD throughout the period of the application and for the term of the license.	Burden covered under 10 CFR 50.71(e)			

X.A.3	requires an applicant or licensee who references this design certification to prepare and maintain the bases for its changes to this design certification throughout the period of the application and the term of the license.	Burden covered under 10 CFR 50.59(d)			
X.A.4.a (DCD applicant)	requires the applicant for this design certification to maintain a copy of the aircraft impact assessment (AIA) performed to comply with the requirements of 10 CFR 50.150(a) for the term of the certification (including any period of renewal).	0	3	0	\$0
X.A.4.b (COL applicant)	requires COL applicants or licensees who references this design certification to maintain a copy of the AIA performed to comply with the requirements of 10 CFR 50.150(a) throughout the pendency of the application and for the term of the license (including any period of renewal).	0	3	0	\$0
Appendix G Total		1	109	103	\$29,870

Total Part 52 Recordkeeping Burden		11.00		13,245	\$3,799,580
Total Storage Cost					\$1,536.42

TABLE 1

Applicant/Licensee Name	Recordkeeping Section
NuScale DC application	52.47
NuScale SDA application	52.47
UAMPS COL application*	52.47 and 52.63(c) & 52.73(b)
AP1000 DC renewal application*	52.47
Vogtle Unit 3 COL	52.63(b)(2)
Vogtle Unit 4 COL	52.63(b)(2)
COL A (non-LWR reactor)*	52.79
COL B (non-LWR reactor)*	52.73(b)
ML (non-LWR reactor)*	52.157
SDA (non-LWR reactor)*	52.137
DC (non-LWR reactor)*	52.47

From 2020 not in 2023

Oklo COL (non-LWR reactor) *	Subpart C
Summer Unit 2 COL	Subpart C & Appendix D
Summer Unit 3 COL	Subpart C & Appendix D
ABWR DC Renewal	Subpart B
Bellefonte 1 COL	Subpart C

Notes:

For reporting purposes it is assumed that each unit will submit a separate report.

Burden Totals Part 52 Renewal		
	Hours	Responses
Reporting	294,220	47.8
Recordkeeping	13,245	11.0
Total	307,465	58.8

Total cost @\$290/hr	\$ 89,164,891
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Additional costs
(item #14) \$ 1,536