

**SUPPORTING STATEMENT FOR REVISIONS TO INFORMATION COLLECTION
REQUIREMENTS FOR PERSONAL PROTECTIVE EQUIPMENT (PPE)
FOR GENERAL INDUSTRY (29 CFR PART 1910, SUBPART I)¹
OFFICE OF MANAGEMENT AND BUDGET (OMB)
CONTROL NO. 1218-0205 (November 2016)
RIN 1218-AB80**

This Supporting Statement contains revisions to the approved information collections for the general industry Personal Protective Equipment (PPE) standards to reflect the collection of information in the Personal Protective Equipment (Fall Protection Systems) final rule.

A. JUSTIFICATION

1. Explain the circumstances that make the collection of information necessary. Identify any legal or administrative requirements that necessitate the collection. Attach a copy of the appropriate section of each statute and regulation mandating or authorizing the collection of information.

The main objective of the Occupational Safety and Health Act of 1970 (OSH Act) (29 U.S.C. 651 *et seq.*) is to “assure so far as possible every working man and woman in the Nation safe and healthful working conditions and to preserve our human resources” (29 U.S.C. 651(b)). To achieve this objective, the OSH Act authorizes “the Secretary of Labor to set mandatory occupational safety and health standards” (29 U.S.C. 651(b)(3)).

With regard to recordkeeping, the OSH Act specifies that “[e]ach employer shall make, keep and preserve, and make available to the Secretary . . . such records . . . as the Secretary . . . may prescribe by regulation as necessary appropriate for enforcement of this Act” (29 U.S.C. 657(c)(1)). The OSH Act further states that “[t]he Secretary . . . shall prescribe such rules and regulations as [he/she] may deem necessary to carry out [his/her] responsibilities under this Act, including rules and regulations dealing with inspection of an employer’s establishment” (29 U.S.C. 657(c)(1)).

Under the authority granted by the OSH Act, the Occupational Safety and Health Administration (OSHA) issued personal protective equipment (PPE) standards for general industry (29 CFR part 1910, subpart I) (hereafter “existing subpart I”). OSHA is updating and revising the Personal Protective Equipment standards (29 CFR part 1910, subpart I), to include personal fall protection requirements (§1910.140).

Section 1910.132(a) requires that PPE be provided, used, and maintained in a sanitary and reliable condition wherever it is necessary by reason of hazards of processes or environment, chemical hazards, radiological hazards, or mechanical irritants encountered in a manner capable of causing injury or impairment in the function of any part of the body through absorption, inhalation or physical contact. Items 2 and 12 below

¹ The purpose of this Supporting Statement is to analyze and describe the burden hours and costs associated with provisions of this standard that contain paperwork requirements. This Supporting Statement does not provide information or guidance on how to comply with, or how to enforce, these provisions. This Supporting Statement and information collection request (ICR) does not include burden hours and costs associated with the information collection requirements in 29 CFR 1910.134 Respiratory Protection and 29 CFR 1910.137 Electrical Protective Equipment, both of which have provisions addressing the use of personal protective equipment and are addressed in separate ICRs (See OMB Control Nos. 1218-0099 and 1218-0190, respectively).

describe in detail the specific information collection requirements in subpart I, including those for personal fall protection systems.

2. Indicate how, by whom, and for what purpose the information is to be used. Except for a new collection, indicate the actual use the agency has made of the information received from the current collection.

Existing §1910.132, which establishes general PPE requirements, currently contains one paperwork requirement.² The Personal Protective Equipment (Fall Protection Systems) final rule (hereafter “Personal Fall Protection final rule”) also contains the same paperwork requirement (§1910.132(g)). The following describes the information collection requirement in existing subpart I, and the Personal Fall Protection final rule, and addresses who will use the information.

Hazard Assessment and Verification (§1910.132(d))

Existing §1910.132(d)(1) and the Personal Fall Protection final rule require that employers perform a hazard assessment of the workplace to determine whether hazards are present, or likely to be present, that make the use of PPE necessary.³ Where such hazards are present, employers must select and have each affected workers use PPE that protects them from the identified hazards (§1910.132(d)(1)(i)), and communicate PPE selection decisions to each affected worker (§1910.132(d)(1)(ii)).

Existing §1910.132(d)(2) requires that employers certify in writing they have performed the required hazard assessment. The certification must include the date, the person certifying that the hazard assessment was conducted, and identification of the workplace evaluated (area or location). The Personal Fall Protection final rule expands the hazard assessment requirement to personal fall protection systems (final §1910.132(g)).

Conducting a PPE hazard assessment ensures that potential workplace hazards necessitating PPE use have been identified and that the PPE selected is appropriate for those hazards and the affected workers. Communicating information on PPE selection decisions to affected workers ensures they are aware that the PPE selected will protect them from the hazards the assessment identified. The certification of the hazard assessment verifies that employers have conducted the required assessment.

3. Describe whether, and to what extent, the collection of information involves the use of automated, electronic, mechanical, or other technological collection techniques or other forms of information technology, e.g., permitting electronic submission of responses, and the basis for the decision for adopting this means of collection. Also describe any consideration of using information technology to reduce burden.

Employers may use automated, electronic, mechanical, or other technological information collection techniques, or other forms of information technology (e.g., electronic submission of responses), when reporting or maintaining records associated with the information collection requirements in subpart I. The Agency wrote

² On June 8, 2011, OSHA deleted the training verification requirement in §1910.132(f)(4), which was a collection of information requirement, as part of the Standards Improvement Project—Phase III final rule (76 FR 33590).

³ Section §1910.132(g) specifies that the hazard assessment (§1910.132(d)) requirements only apply to PPE for the eyes, face, head, feet, and hands. The final rule revises §1910.132(g) to also apply the hazard assessment requirement to personal fall protection systems.

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the paperwork requirements in §1910.132(d) in performance-oriented language (i.e., in terms of what data to collect, not how to record the data).

4. Describe efforts to identify duplication. Show specifically why any similar information already available cannot be used or modified for use for the purpose(s) described in A.2 above.

The information collection requirements in existing subpart I and §1910.140 of the final rule are specific to each employer and worker involved, and no other source or agency duplicates the requirement..

5. If the collection of information impacts small businesses or other small entities, describe any methods used to reduce the burden.

The information collection requirements specified by existing subpart I and §1910.140 of the final rule do not have a significant impact on a substantial number of small entities.

6. Describe the consequence to Federal program or policy activities if the collection is or is not conducted less frequently, as well as any technical or legal obstacles to reducing burden.

The collections of information are for the purpose of worker safety and health in the workplace and are the minimum amount necessary and appropriate.

7. Explain any special circumstances that would cause an information collection to be conducted in a manner:

- requiring respondents to report information to the agency more often than quarterly;
- requiring respondents to prepare a written response to a collection of information in fewer than 30 days after receipt of it;
- requiring respondents to submit more than an original and two copies of any document;
- requiring respondents to retain records, other than health, medical, government contract, grant-in-aid, or tax records for more than three years;
- in connection with a statistical survey that is not designed to produce valid and reliable results that can be generalized to the universe of study;
- requiring the use of statistical data classification that has not been reviewed and approved by OMB;
- that includes a pledge of confidentiality that is not supported by authority established in statute or regulation, that is not supported by disclosure and data security policies that are consistent with the pledge, or which unnecessarily impedes sharing of data with other agencies for compatible confidential use; or
- requiring respondents to submit proprietary trade secret, or other confidential information unless the agency can prove that it has instituted procedures to protect the information's confidentiality to the extent permitted by law.

No special circumstances exist that require employers to collect information using the procedures specified by this item. The information collection requirements are within the guidelines set forth in 5 CFR 1320.5.

8. If applicable, provide a copy and identify the date and page number of publication in the *Federal Register* of the agency's notice, required by 5 CFR 1320.8(d), soliciting comments on the information collection prior to submission to OMB.

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Summarize public comments received in response to that notice and describe actions taken by the agency in response to those comments. Specifically address comments received on cost and hour burden.

Describe efforts to consult with persons outside the agency to obtain their views on the availability of data, frequency of collection, the clarity of instructions and recordkeeping, disclosure, or reporting format (if any), and on the data elements to be recorded, disclosed, or reported.

Consultation with representatives of those from whom information is to be obtained or those who must compile records should occur at least once every three years -- even if the collection of information activity is the same as in prior periods. There may be circumstances that may preclude consultation in a specific situation. These circumstances should be explained.

In accordance with the Paperwork Reduction Act of 1995 (PRA-95)(44 U.S.C. 3506(c)(2) and 3507(d)), OSHA solicited comments on the information collection in the proposed Personal Fall Protection rule (75 FR 69369) (11/12/10). In accordance with 5 CFR 1320, OMB did not approve the collection of information in the proposed Personal Fall Protection rule at that that time, and said, "Prior to publication of the final rule, the agency should provide a summary of all comments related to the information collection requirements contained in the proposed rule and a description of any changes made in response to these comments." OSHA did not receive any comments in response to the proposed about the requirements contained in this collection of information.

During the same period, OSHA submitted a request to OMB to renew information collection requirements for existing subpart I. On October 11, 2010, OMB approved a renewal of the information collection requirement for existing subpart I under OMB Control Number 1218-0205. The ICR expires on August 31, 2019. In renewing the information collection request (ICR) for existing subpart I, OMB said that the terms of the previous clearance for existing subpart I remain in effect.

In accordance with PRA-95 (44 U.S.C. 3507) and as described in this supporting statement, OSHA requests that OMB (1) approve the collection of information requirement for the Personal Fall Protection final rule, and (2) approve the overall revisions to the collection of information requirements in the general industry PPE standards to reflect the information collections in the Personal Fall Protection final rule. OSHA notes that a Federal agency cannot conduct or sponsor a collection of information unless OMB approves it under the PRA-95, and displays a currently valid OMB control number. Also, notwithstanding any other provision of law, no employer shall be subject to penalty for failing to comply with a collection of information if the collection of information does not display a currently valid OMB control number.

9. Explain any decision to provide any payment or gift to respondents, other than remuneration of contractors or grantees.

The Agency will not provide payments or gifts to the respondents.

10. Describe any assurance of confidentiality provided to respondents and the basis for the assurance in statute, regulation, or agency policy.

The paperwork requirements specified by existing subpart I and §1910.140 of the final rule do not require the collection of confidential information.

11. Provide additional justification for any questions of a sensitive nature, such as sexual behavior and attitudes, religious beliefs, and other matters that are commonly considered private. This justification should include the reasons why the agency

considers the questions necessary, the specific uses to be made of the information, the explanation to be given to persons from whom the information is requested, and any steps to be taken to obtain their consent.

The provisions in existing subpart I and §1910.140 of the final rule do not require the collection of sensitive information.

12. Provide estimates of the hour burden of the collection of information. The statement should:

- Indicate the number of respondents, frequency of response, annual hour burden, and an explanation of how the burden was estimated. Unless directed to do so, agencies should not conduct special surveys to obtain information on which to base hour burden estimates. Consultation with a sample (fewer than 10) of potential respondents is desirable. If the hour burden on respondents is expected to vary widely because of differences in activity, size, or complexity, show the range of estimated hour burden, and explain the reasons for the variance. Generally, estimates should not include burden hours for customary and usual business practices.
- If this request for approval covers more than one form, provide separate hour burden estimates for each form.
- Provide estimates of annualized cost to respondents for the hour burdens for collections of information, identifying and using appropriate wage rate categories. The cost of contracting out or paying outside parties for information collection activities should not be included here. Instead, this cost should be included in Item 14.

Burden Hour and Cost Determinations⁴

As a preliminary matter, OSHA's PPE Cost Survey provides estimates of the percentage of establishments in each affected industry where some kind of PPE is used and of the percentage of workers who use one or more types of PPE. Applying these percentages to industry-specific establishment and employment totals from the 2006 County Business Patterns, OSHA estimates that the PPE standards affect 3.5 million establishments and 43.6 million workers.

In determining the wage rates, OSHA used the mean hourly wage rates from the *May 2015 National Occupational Employment and Wage Estimates*,⁵ and the added fringe benefits for the compensation rate from the *Employer Costs for Employee Compensation, June 2015*,⁶ Bureau of Labor Statistics (BLS), U.S. Department of Labor. The mean hourly rates of compensation for an Industrial Production Manager (11-3051) each including fringe benefits at 30.5 percent are as follows:

Industrial Production Manager:	\$70.32
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(A) Initial Hazard Assessments, Reassessments, and Certification of Hazard Assessments (§1910.132(d)).

I. *Employers performing PPE assessments, not including personal fall protection systems:*

As mentioned, §1910.132(d) requires that all affected employers conduct a PPE hazard assessment and make a determination regarding their need for PPE. In the Regulatory Impact Analysis (RIA) of OSHA's rule revising existing subpart I (59 FR 16334 (4/6/1994)), the Agency estimated that the time to perform a PPE hazard

⁴ The hyperlinks in the footnotes have to be cut and pasted into the address box.

⁵ Source for wage rates: http://www.bls.gov/oes/current/oes_nat.htm

⁶ Source for compensation rate: http://www.bls.gov/news.release/archives/ecec_09092015.pdf

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assessment ranged from 3 to 29 hours, based on the number of workers per establishment. Conducting a PPE hazard assessment at establishments with 1-19 workers takes 3 hours; at establishments with 20-99 workers it takes 10 hours; at establishments with 100-249 workers it takes 19 hours; and at establishments with 250 or more workers it takes 29 hours. These estimates include the time necessary to communicate PPE selection decisions to affected workers and generate and maintain the certification record.

Data from the Census Bureau indicates that there is a 12.4-percent annual establishment turnover rate in the private sector.⁷ Therefore, there are 434,000 “new establishments” (3.5 million x 12.4 percent) that will need to conduct an initial PPE hazard assessment. The subpart I RIA noted that 47 percent of the 434,000 establishments were conducting the initial hazard assessment as a usual and customary practice, thus, 53 percent (230,020) of the establishments would incur a burden.

Based on 2006 County Business Patterns data, OSHA estimates that 85.1 percent (195,747) of the 230,020 affected establishments have fewer than 20 workers, 12.4 percent (28,522) have between 20 and 99 workers, 1.9 percent (4,370) have between 100 and 249 workers, and .6 percent (1,380) have 250 or more workers.⁸ Based on those estimates, the total burden for this activity is calculated as follows:

Burden hours:	195,747 establishments x 3 hours = 587,241 hours
	28,522 establishments x 10 hours = 285,220 hours
	4,370 establishments x 19 hours = 83,030 hours
	1,380 establishments x 29 hours = <u>40,020 hours</u>
	995,511 hours
Cost:	995,511 hours x \$70.32 = \$70,004,334

OSHA also estimates that all establishments will need to conduct PPE hazard reassessments, on average, once every five years (20 percent per year). This estimate is based on the assumption that establishments change production processes, incorporate new technologies or open new facilities at this rate. OSHA estimates that it will take one hour for an establishment to perform a PPE hazard reassessment; communicate the PPE selection decisions to affected workers; and generate and maintain the certification record. OSHA estimates that 47 percent of the 3.5 million establishments that existing subpart I requirements affect conduct a hazard reassessment as a usual and customary practice, thus, 53 percent (1,855,000 establishments) would incur a burden.

Burden hours:	1,855,000 establishments x .20 x 1 hour = 371,000 hours
Cost:	371,000 hours x \$70.32 = \$26,088,720

II. Employers performing hazard assessments for personal fall protection systems:

⁷ Technically, this is referred to as the “birth” rate of establishments. 2005-2006 Statistics of U.S. Business dynamic data at https://www2.census.gov/programs-surveys/subs/tables/2006/us_4digitnaics_emplchange_2005-2006.xls

⁸ Estimates based on the distribution of establishments by employment size for industries the PPE standard affects.

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OSHA estimates the time to perform a hazard assessment for personal fall protection systems ranges from 1 to 4 hours, based on the size of the establishment. OSHA estimates that conducting a personal fall protection hazard assessment for establishments with 1-19 workers will take up to 1 hour; for establishments with 20-99 workers it will take up to 2 hours; for establishments with 100-449 workers it will take up to 3 hours; and for establishments with 500 or more workers it will take up to 4 hours. These estimates include the time necessary to communicate PPE selection decisions to affected workers and generate and maintain the certification record.

In particular, OSHA assumed that all establishments in the forestry, oil and gas, utility, manufacturing, and transportation sectors (NAICS 1131 through 3399 and 4811 through 4931) would perform a personal fall protection hazard assessment because of the high level of worker exposure to fall hazards in these sectors; one half the establishments in wholesale and retail sales (NAICS 4231 through 4543) would perform an assessment; and one quarter of the establishments in the service industries (NAICS 5111 through 8139) would perform an assessment.

Table 1 – Establishments Affected by Size and Hazard Assessment Percentage

Industries Personal Fall Protection Hazard Assessment %	Establishment Size			
	1-19	20-99	100-499	500+
NAICS 1131 – 3399 and 4811 - 4931 – 100%	391,912 x 100%	81,377 x 100%	34,528 x 100%	82,194 x 100%
	391,912	81,377	34,528	82,194
NAICS 4231- 4543 – 50%	954,023 x 50%	145,983 x 50%	77,664 x 50%	380,423 x 50%
	477,012	72,992	38,832	190,212
NAICS 5111 – 8139 – 25%	3,358,774 x 25%	432,983 x 25%	232,134 x 25%	683,907 x 25%
	839,694	108,246	58,034	170,977
Totals	1,708,618	262,615	131,394	443,383

Note: Also, see Tables 3, 4, and 5 on the results.

The Agency assumes that 47 percent of all establishments already conduct a personal fall protection hazard assessment as a usual and customary practice. Therefore, only 53 percent of those establishments would need to perform an assessment:

Burden hours: 1,708,618 (1-19 establishment size) x 53% x 1 hour = 905,568 hours
 262,615 (20-99 establishment size) x 53% x 2 hours = 278,372 hours
 131,394(100-499 establishment size) x 53% x 3 hours = 208,916 hours
 443,383 (500 or more establishment size) x 53% x 4 hours = 939,972 hours
 2,332,828 hours

Cost: 2,332,828 hours x \$70.32 = \$164,044,465

OSHA estimates that all establishments will need to conduct personal fall protection hazard reassessments, on average, once every five years (20 percent per year). This estimate is based on the assumption that

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establishments will change production processes, incorporate new technologies or open new facilities at this rate. OSHA estimates that it will take 10 minutes (0.17 hour) for an establishment to perform this hazard reassessment, communicate the PPE selection decisions to affected workers, and generate and maintain the certification record. OSHA estimates that 47 percent of the 2,546,010 affected establishments already conduct a personal fall protection hazard reassessment as a usual and customary practice, thus, 53 percent (1,349,385 establishments) would incur a burden.

Burden hours: 1,349,385 establishments x 20% x 0.17 hour = 45,879 hours

Cost: 45,879 hours x \$70.32 = \$3,226,211

13. Provide an estimate of the total annual cost burden to respondents or recordkeepers resulting from the collection of information. (Do not include the cost of any hour burden shown in Items 12 and 14.)

- **The cost estimate should be split into two components: (a) a total capital and start-up cost component annualized over its expected useful life); and (b) a total operation and maintenance and purchase of service component. The estimates should take into account costs associated with generating, maintaining, and disclosing or providing the information. Include descriptions of methods used to estimate major cost factors including system and technology acquisition, expected useful life of capital equipment, the discount rate(s), and the time period over which costs will be incurred. Capital and start-up costs include, among other items, preparations for collecting information such as purchasing computers and software; monitoring, sampling, drilling and testing equipment; and record storage facilities.**
- **If cost estimates are expected to vary widely, agencies should present ranges of cost burdens and explain the reasons for the variance. The cost of purchasing or contracting out information collection services should be a part of this cost burden estimate. In developing cost burden estimates, agencies may consult with a sample of respondent (fewer than 10), utilize the 60-day pre-OMB submission public comment process and use existing economic or regulatory impact analysis associated with the rulemaking containing the information collection, as appropriate.**
- **Generally, estimates should not include purchases of equipment or services, or portions thereof, made: (1) prior to October 1, 1995, (2) to achieve regulatory compliance with requirements not associated with the information collection, (3) for reasons other than to provide information or keep records for the government, or (4) as part of customary and usual business or private practices.**

The cost determinations made under Item 12 account for the total annual cost burden to respondents or recordkeepers resulting from these collection of information requirements.

14. Provide estimates of the annualized cost to the Federal Government. Also, provide a description of the method used to estimate cost, which should include quantification of hours, operational expenses (such as equipment, overhead, printing, and support staff), and any other expense that would not have been incurred without this collection of information. Agencies also may aggregate cost estimates from Items 12, 13, and 14 into a single table.

There are no costs to the Federal Government.

15. Explain the reasons for any program changes or adjustments.

The final rule requests an increase of 2,378,697 burden hours, from 1,366,521 to 3,745,218 hours, for the first year only. The increase is due to the addition of the personal fall protection requirements in the Personal Fall

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Protection final rule. Table 2 below describes each of the requested burden hour adjustments/program change to existing subpart I.

Table 2: Summary of the Requested Burden Hours and Cost

Information Collection Requirement	Current Burden Hours	Requested Burden Hours	Program / Adjustment Change	Cost Under Item 12	Responses	Explanation of Adjustment
Initial Assessment and Reassessment of Workplace for Hazards (§1910.132(d) (1))	995,521	995,511	-10 Adjustment	\$70,004,334	230,019	Hazard Assessment -- identification of a rounding error.
Written Certification of Assessment (§1910.132(d) (2))	371,000	371,000	0	\$26,088,720	371,000	Hazard Reassessment -- Agency is estimating a non-compliance rate of 53% .
	0	2,332,828	2,332,828 – PC	\$164,044,465	1,349,385	Hazard Assessment -- This is a program change based on the final rule, which adds personal fall protection requirements.
	0	45,879	45,879 – pipeline companies	\$3,226,211	269,877	Hazard Reassessment -- This is a program change based on the final rule, which adds personal fall protection requirements. The Agency is estimating a non-compliance rate of 53%.
Totals	1,366,521	3,745,218	2,378,697	\$263,363,730	2,220,281	

16. For collections of information whose results will be published, outline plans for tabulation, and publication. Address any complex analytical techniques that will be used. Provide the time schedule for the entire project, including beginning and ending dates of the collection of information, completion of report, publication dates, and other actions.

OSHA will not publish the information collected under this subpart.

17. If seeking approval to not display the expiration date for OMB approval of the information collection, explain the reasons that display would be appropriate.

OSHA lists current valid control numbers in 29 CFR 1910.8, 1915.8, 1917.4, 1918.4, and 1926.5 and publishes the expiration dates in the *Federal Register* notice announcing OMB approval of the information collection requirement (5 CFR 1320.3(f)(3)). OSHA believes that this is the most appropriate and accurate mechanism to inform interested parties of these expiration dates.

18. Explain each exception to the certification statement.

OSHA is not seeking an exception to the certification statement.

B. COLLECTION OF INFORMATION EMPLOYING STATISTICAL METHODS

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The supporting statement does not contain any collection of information requirements that employs statistical methods.

Table - 3 - Industries w/Hazard Assessments at 100%					
NAICS	Industry	1-19	20-99	100-499	500+
1131	Timber Tract Operations	372	20	4	54
1132	Forest Nurseries and Gathering of Forest Products	154	10	5	62
1133	Logging	9,236	470	55	49
1141	Fishing	2,002	42	12	6
1142	Hunting and Trapping	312	11	4	0
1151	Support Activities for Crop Production	0	0	0	0
1152	Support Activities for Animal Production	0	0	0	0
1153	Support Activities for Forestry	1,528	152	30	44
2111	Oil and Gas Extraction	5,876	541	248	877
2121	Coal Mining	0	0	0	0
2122	Metal Ore Mining	0	0	0	0
2123	Nonmetallic Mineral Mining and Quarrying	0	0	0	0
2131	Support Activities for Mining	0	0	0	0
213112	Support Activities for Oil and Gas Operations	0	0	0	0
2211	Electric Power Generation, Transmission and Distribution	687	1,110	999	6,815

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Table - 3 - Industries w/Hazard Assessments at 100%					
NAICS	Industry	1-19	20-99	100-499	500+
2212	Natural Gas Distribution	365	85	139	1,694
2213	Water, Sewage and Other Systems	3,787	222	133	638
2361	Residential Building Construction	0	0	0	0
2362	Nonresidential Building Construction	0	0	0	0
2371	Utility System Construction	0	0	0	0
2372	Land Subdivision	0	0	0	0
2373	Highway, Street, and Bridge Construction	0	0	0	0
2379	Other Heavy and Civil Engineering Construction	0	0	0	0
2381	Foundation, Structure, and Building Exterior Contractors	0	0	0	0
2382	Building Equipment Contractors	0	0	0	0
2383	Building Finishing Contractors	0	0	0	0
2389	Other Specialty Trade Contractors	0	0	0	0
3111	Animal Food Manufacturing	823	300	202	492
3112	Grain and Oilseed Milling	278	133	101	318
3113	Sugar and Confectionery Product Manufacturing	1,246	299	107	136
3114	Fruit and Vegetable Preserving and Specialty Food Manufacturing	686	338	215	429
3115	Dairy Product Manufacturing	620	285	156	551
3116	Animal Slaughtering and Processing	2,265	577	287	688
3117	Seafood Product Preparation and Packaging	353	165	78	89
3118	Bakeries and Tortilla Manufacturing	7,679	1,608	392	590

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Table - 3 - Industries w/Hazard Assessments at 100%					
NAICS	Industry	1-19	20-99	100-499	500+
3119	Other Food Manufacturing	1,790	721	397	402
3121	Beverage Manufacturing	2,725	494	160	581
3122	Tobacco Manufacturing	42	24	8	35
3131	Fiber, Yarn, and Thread Mills	172	68	33	151
3132	Fabric Mills	704	260	160	194
3133	Textile and Fabric Finishing and Fabric Coating Mills	944	217	111	78
3141	Textile Furnishings Mills	2,055	281	91	156
3149	Other Textile Product Mills	3,306	582	176	85
3151	Apparel Knitting Mills	283	108	53	43
3152	Cut and Sew Apparel Manufacturing	7,168	1,410	274	113
3159	Apparel Accessories and Other Apparel Manufacturing	732	124	44	16
3161	Leather and Hide Tanning and Finishing	186	38	10	10
3162	Footwear Manufacturing	206	44	22	34
3169	Other Leather and Allied Product Manufacturing	682	112	34	14
3211	Sawmills and Wood Preservation	2,634	883	354	297
3212	Veneer, Plywood, and Engineered Wood Product Manufacturing	741	531	270	382
3219	Other Wood Product Manufacturing	6,920	2,101	635	874
3221	Pulp, Paper, and Paperboard Mills	85	69	63	334
3222	Converted Paper Product Manufacturing	1,440	1,099	626	1,321
3231	Printing and Related Support Activities	26,437	4,419	1,198	1,227
3241	Petroleum and Coal Products Manufacturing	704	299	395	1,010

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Table - 3 - Industries w/Hazard Assessments at 100%					
NAICS	Industry	1-19	20-99	100-499	500+
3251	Basic Chemical Manufacturing	761	383	278	1,118
3252	Resin, Synthetic Rubber, and Artificial Synthetic Fibers and Filaments Manufacturing	357	211	152	356
3253	Pesticide, Fertilizer, and Other Agricultural Chemical Manufacturing	447	148	105	206
3254	Pharmaceutical and Medicine Manufacturing	853	333	2,223	517
3255	Paint, Coating, and Adhesive Manufacturing	1,012	356	175	363
3256	Soap, Cleaning Compound, and Toilet Preparation Manufacturing	1,423	404	165	249
3259	Other Chemical Product and Preparation Manufacturing	1,478	508	281	533
3261	Plastics Product Manufacturing	5,184	2,889	1,611	2,370
3262	Rubber Product Manufacturing	962	441	341	435
3271	Clay Product and Refractory Manufacturing	992	227	107	234
3272	Glass and Glass Product Manufacturing	1,405	241	114	342
3273	Cement and Concrete Product Manufacturing	3,238	2,145	1,324	3,256
3274	Lime and Gypsum Product Manufacturing	151	42	14	155
3279	Other Nonmetallic Mineral Product Manufacturing	2,202	633	201	449
3311	Iron and Steel Mills and Ferroalloy Manufacturing	534	117	74	176
3312	Steel Product Manufacturing from Purchased Steel	278	121	110	190
3313	Alumina and Aluminum Production and Processing	220	115	102	175
3314	Nonferrous Metal (except Aluminum) Production and Processing	420	182	101	235

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Table - 3 - Industries w/Hazard Assessments at 100%					
NAICS	Industry	1-19	20-99	100-499	500+
3315	Foundries	945	582	299	291
3321	Forging and Stamping	1,238	790	335	301
3322	Cutlery and Handtool Manufacturing	984	281	122	98
3323	Architectural and Structural Metals Manufacturing	8,807	3,082	928	888
3324	Boiler, Tank, and Shipping Container Manufacturing	651	434	188	297
3325	Hardware Manufacturing	426	186	74	109
3326	Spring and Wire Product Manufacturing	919	366	203	126
3327	Machine Shops; Turned Product; and Screw, Nut, and Bolt Manufacturing	19,876	4,270	747	374
3328	Coating, Engraving, Heat Treating, and Allied Activities	3,898	1,444	480	340
3329	Other Fabricated Metal Product Manufacturing	3,918	1,318	461	678
3331	Agriculture, Construction, and Mining Machinery Manufacturing	1,705	682	305	372
3332	Industrial Machinery Manufacturing	2,410	910	290	235
3333	Commercial and Service Industry Machinery Manufacturing	1,429	469	151	247
3334	Ventilation, Heating, Air-Conditioning, and Commercial Refrigeration Equipment Manufacturing	853	412	183	374
3335	Metalworking Machinery Manufacturing	5,715	1,660	368	267
3336	Engine, Turbine, and Power Transmission Equipment Manufacturing	412	208	87	223
3339	Other General Purpose Machinery Manufacturing	3,481	1,489	515	746

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Table - 3 - Industries w/Hazard Assessments at 100%					
NAICS	Industry	1-19	20-99	100-499	500+
3341	Computer and Peripheral Equipment Manufacturing	862	224	79	133
3342	Communications Equipment Manufacturing	973	388	165	302
3343	Audio and Video Equipment Manufacturing	386	87	29	28
3344	Semiconductor and Other Electronic Component Manufacturing	2,345	1,231	570	607
3345	Navigational, Measuring, Electromedical, and Control Instruments Manufacturing	3,014	1,010	420	821
3346	Manufacturing and Reproducing Magnetic and Optical Media	606	123	37	38
3351	Electric Lighting Equipment Manufacturing	740	277	80	126
3352	Household Appliance Manufacturing	182	61	26	81
3353	Electrical Equipment Manufacturing	1,351	473	193	390
3359	Other Electrical Equipment and Component Manufacturing	1,053	454	240	417
3361	Motor Vehicle Manufacturing	199	39	34	106
3362	Motor Vehicle Body and Trailer Manufacturing	1,100	574	214	299
3363	Motor Vehicle Parts Manufacturing	2,609	1,018	678	1,221
3364	Aerospace Product and Parts Manufacturing	778	350	153	444
3365	Railroad Rolling Stock Manufacturing	78	43	27	73
3366	Ship and Boat Building	1,134	323	168	146
3369	Other Transportation Equipment Manufacturing	788	150	52	59

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Table - 3 - Industries w/Hazard Assessments at 100%					
NAICS	Industry	1-19	20-99	100-499	500+
3371	Household and Institutional Furniture and Kitchen Cabinet Manufacturing	13,962	1,783	454	367
3372	Office Furniture (including Fixtures) Manufacturing	2,544	1,082	301	188
3379	Other Furniture Related Product Manufacturing	599	225	85	127
3391	Medical Equipment and Supplies Manufacturing	9,693	1,218	497	786
3399	Other Miscellaneous Manufacturing	15,023	2,795	662	486
4811	Scheduled Air Transportation	397	218	413	2,056
4812	Nonscheduled Air Transportation	1,982	286	157	221
4831	Deep Sea, Coastal, and Great Lakes Water Transportation	634	172	178	271
4832	Inland Water Transportation	468	93	41	71
4841	General Freight Trucking	53,092	4,816	1,972	8,614
4842	Specialized Freight Trucking	43,889	4,191	1,580	3,265
4851	Urban Transit Systems	408	141	63	320
4852	Interurban and Rural Bus Transportation	156	40	113	199
4853	Taxi and Limousine Service	6,698	618	99	78
4854	School and Employee Bus Transportation	2,113	747	351	1,462
4855	Charter Bus Industry	778	308	115	46
4859	Other Transit and Ground Passenger Transportation	2,470	558	251	190
4861	Pipeline Transportation of Crude Oil	28	14	4	328
4862	Pipeline Transportation of Natural Gas	66	26	70	1,317
4869	Other Pipeline Transportation	35	22	14	851
4871	Scenic and Sightseeing Transportation, Land	536	91	23	48
4872	Scenic and Sightseeing Transportation, Water	1,722	112	18	28

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Table - 3 - Industries w/Hazard Assessments at 100%					
NAICS	Industry	1-19	20-99	100-499	500+
4879	Scenic and Sightseeing Transportation, Other	174	19	10	0
4881	Support Activities for Air Transportation	3,402	525	249	1,254
4882	Support Activities for Rail Transportation	355	143	98	422
4883	Support Activities for Water Transportation	1,424	333	151	422
4884	Support Activities for Road Transportation	8,730	674	170	604
4885	Freight Transportation Arrangement	11,918	1,942	1,468	2,575
4889	Other Support Activities for Transportation	1,386	148	72	101
4921	Couriers	3,349	481	239	5,047
4922	Local Messengers and Local Delivery	3,934	409	233	153
4931	Warehousing and Storage	3,940	1,991	1,717	6,792
Total		391,912	81,377	36,528	82,194

Table - 4 - Industries w/Hazard Assessments at 50%					
NAICS	Industry	1-19	20-99	100-499	500+
4231	Motor Vehicle and Motor Vehicle Parts and Supplies Merchant Wholesalers	14,608	3,412	2,458	4,057
4232	Furniture and Home Furnishing Merchant Wholesalers	9,244	1,941	910	575

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Table - 4 - Industries w/Hazard Assessments at 50%					
NAICS	Industry	1-19	20-99	100-499	500+
4233	Lumber and Other Construction Materials Merchant Wholesalers	10,355	2,813	1,858	4,607
4234	Professional and Commercial Equipment and Supplies Merchant Wholesalers	22,557	4,086	1,763	7,709
4235	Metal and Mineral (except Petroleum) Merchant Wholesalers	5,790	1,711	968	2,191
4236	Electrical and Electronic Goods Merchant Wholesalers	16,753	3,765	2,470	6,391
4237	Hardware, and Plumbing and Heating Equipment and Supplies Merchant Wholesalers	9,289	3,205	2,314	5,296
4238	Machinery, Equipment, and Supplies Merchant Wholesalers	36,506	9,839	5,172	8,228
4239	Miscellaneous Durable Goods Merchant Wholesalers	27,934	3,415	1,091	2,058
4241	Paper and Paper Product Merchant Wholesalers	7,763	1,352	738	1,595
4242	Drugs and Druggists' Sundries Merchant Wholesalers	5,163	744	346	1,396
4243	Apparel, Piece Goods, and Notions Merchant Wholesalers	13,170	1,671	743	634
4244	Grocery and Related Product Wholesalers	22,734	4,253	1,832	4,801
4245	Farm Product Raw Material Merchant Wholesalers	3,377	1,356	852	981
4246	Chemical and Allied Products Merchant Wholesalers	7,021	1,611	939	2,970
4247	Petroleum and Petroleum Products Merchant Wholesalers	3,447	1,460	915	1,202
4248	Beer, Wine, and Distilled Alcoholic Beverage Merchant Wholesalers	2,063	1,002	621	474
4249	Miscellaneous Nondurable Goods Merchant Wholesalers	22,411	3,293	1,807	3,903
4251	Wholesale Electronic Markets and Agents and Brokers	52,369	2,376	540	1,200
4411	Automobile Dealers	32,270	12,747	4,023	2,196

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Table - 4 - Industries w/Hazard Assessments at 50%					
NAICS	Industry	1-19	20-99	100-499	500+
4412	Other Motor Vehicle Dealers	13,329	2,483	318	900
4413	Automotive Parts, Accessories, and Tire Stores	30,995	4,367	2,806	20,897
4421	Furniture Stores	18,800	3,557	1,885	4,997
4422	Home Furnishings Stores	25,570	2,338	997	7,341
4431	Electronics and Appliance Stores	29,916	3,785	1,679	17,090
4441	Building Material and Supplies Dealers	39,485	9,177	3,994	15,293
4442	Lawn and Garden Equipment and Supplies Stores	15,011	2,560	969	1,815
4451	Grocery Stores	57,587	7,992	3,680	23,056
4452	Specialty Food Stores	22,177	2,011	1,372	2,721
4453	Beer, Wine, and Liquor Stores	26,484	1,422	721	1,808
4461	Health and Personal Care Stores	41,531	6,137	2,030	39,708
4471	Gasoline Stations	62,530	10,782	11,367	30,854
4481	Clothing Stores	39,874	3,705	3,180	52,566
4482	Shoe Stores	6,536	1,089	961	18,627
4483	Jewelry, Luggage, and Leather Goods Stores	18,853	1,217	655	8,108
4511	Sporting Goods, Hobby, and Musical Instrument Stores	30,775	3,174	1,291	8,282
4512	Book, Periodical, and Music Stores	8,685	1,082	919	5,937
4521	Department Stores	342	57	44	9,673
4529	Other General Merchandise Stores	9,550	739	590	26,461
4531	Florists	18,657	799	209	94

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Table - 4 - Industries w/Hazard Assessments at 50%					
NAICS	Industry	1-19	20-99	100-499	500+
4532	Office Supplies, Stationery, and Gift Stores	27,657	2,921	1,467	8,629
4533	Used Merchandise Stores	12,272	1,158	1,618	2,685
4539	Other Miscellaneous Store Retailers	36,110	3,364	1,082	4,652
4541	Electronic Shopping and Mail-Order Houses	13,819	1,302	389	1,160
4542	Vending Machine Operators	4,221	450	177	310
4543	Direct Selling Establishments	18,433	2,263	904	4,295
Total		954,023	145,983	77,664	380,423

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**Table - 5 -
Industries w/Hazard Assessments at 25%**

NAICS	Industry	1-19	20-99	100-499	500+
5111	Newspaper, Periodical, Book, and Directory Publishers	14,176	2,454	1,442	5,010

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Table - 5 - Industries w/Hazard Assessments at 25%					
NAICS	Industry	1-19	20-99	100-499	500+
5112	Software Publishers	4,573	1,296	545	2,012
5121	Motion Picture and Video Industries	16,446	1,386	746	2,540
5122	Sound Recording Industries	3,436	118	54	157
5151	Radio and Television Broadcasting	3,708	1,227	845	3,977
5152	Cable and Other Subscription Programming	295	55	52	256
5161	Internet Publishing and Broadcasting	2,090	215	151	290
5171	Wired Telecommunications Carriers	1,429	688	511	24,817
5172	Wireless Telecommunications Carriers (except Satellite)	1,496	332	372	9,617
5173	Telecommunications Resellers	2,812	340	96	169
5174	Satellite Telecommunications	480	72	85	71
5175	Cable and Other Program Distribution	819	120	201	4,186
5179	Other Telecommunications	1,179	64	20	102
5181	Internet Service Providers and Web Search Portals	3,373	333	132	422
5182	Data Processing, Hosting, and Related Services	6,092	1,258	625	7,687
5191	Other Information Services	3,013	482	127	605
5211	Monetary Authorities - Central Bank	39	10	5	50
5221	Depository Credit Intermediation	8,762	18,290	22,764	77,364
5222	Nondepository Credit Intermediation	22,095	4,226	4,284	28,181

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Table - 5 - Industries w/Hazard Assessments at 25%					
NAICS	Industry	1-19	20-99	100-499	500+
5223	Activities Related to Credit Intermediation	27,445	3,556	2,888	12,861
5231	Securities and Commodity Contracts Intermediation and Brokerage	12,233	1,148	777	25,591
5232	Securities and Commodity Exchanges	107	15	11	259
5239	Other Financial Investment Activities	42,500	2,205	898	4,321
5241	Insurance Carriers	6,254	940	1,210	25,194
5242	Agencies, Brokerages, and Other Insurance Related Activities	127,846	7,240	3,243	9,601
5259	Other Investment Pools and Funds	1,978	135	150	1,415
5311	Lessors of Real Estate	92,954	5,153	4,959	12,204
5312	Offices of Real Estate Agents and Brokers	100,268	3,818	2,066	4,876
5313	Activities Related to Real Estate	69,200	5,494	4,720	6,812
5321	Automotive Equipment Rental and Leasing	4,250	677	513	8,035
5322	Consumer Goods Rental	11,265	2,237	1,558	16,278
5323	General Rental Centers	3,009	661	435	1,330
5324	Commercial and Industrial Machinery and Equipment Rental and Leasing	7,319	1,399	759	5,321
5331	Lessors of Nonfinancial Intangible Assets (except Copyrighted Works)	2,057	223	92	196
5411	Legal Services	174,289	10,031	3,835	3,196
5412	Accounting, Tax Preparation, Bookkeeping, and Payroll Services	102,379	6,869	2,472	11,695
5413	Architectural, Engineering, and Related Services	90,882	11,587	5,622	9,024
5414	Specialized Design Services	33,538	919	142	184

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Table - 5 - Industries w/Hazard Assessments at 25%					
NAICS	Industry	1-19	20-99	100-499	500+
5415	Computer Systems Design and Related Services	96,915	7,019	2,854	9,981
5416	Management, Scientific, and Technical Consulting Services	136,770	6,369	2,637	5,990
5417	Scientific Research and Development Services	11,083	2,132	996	3,576
5418	Advertising and Related Services	33,960	2,983	1,027	2,305
5419	Other Professional, Scientific, and Technical Services	59,820	5,567	1,106	7,802
5511	Management of Companies and Enterprises	5,788	6,527	9,905	28,423
5611	Office Administrative Services	22,520	3,106	1,736	2,634
5612	Facilities Support Services	997	400	552	2,644
5613	Employment Services	14,393	5,933	5,092	19,058
5614	Business Support Services	26,135	3,180	1,452	4,776
5615	Travel Arrangement and Reservation Services	15,978	1,644	1,174	3,516
5616	Investigation and Security Services	16,472	2,660	1,078	5,013
5617	Services to Buildings and Dwellings	160,800	11,359	2,646	5,020
5619	Other Support Services	16,692	1,899	720	1,764
5621	Waste Collection	6,568	1,069	325	1,895
5622	Waste Treatment and Disposal	1,288	226	192	1,023
5629	Remediation and Other Waste Management Services	6,761	1,100	442	569
6111	Elementary and Secondary Schools	8,138	8,656	3,194	1,078
6112	Junior Colleges	176	128	195	363
6113	Colleges, Universities, and Professional Schools	868	383	567	2,204

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Table - 5 - Industries w/Hazard Assessments at 25%					
NAICS	Industry	1-19	20-99	100-499	500+
6114	Business Schools and Computer and Management Training	6,405	599	283	353
6115	Technical and Trade Schools	5,744	1,204	449	622
6116	Other Schools and Instruction	33,022	3,415	646	1,423
6117	Educational Support Services	5,542	501	175	563
6211	Offices of Physicians	175,257	23,003	8,539	13,187
6212	Offices of Dentists	118,148	5,254	821	2,169
6213	Offices of Other Health Practitioners	110,261	6,201	2,157	5,879
6214	Outpatient Care Centers	9,525	4,592	5,862	9,665
6215	Medical and Diagnostic Laboratories	6,196	1,521	1,166	3,915
6216	Home Health Care Services	9,919	4,781	3,037	6,706
6219	Other Ambulatory Health Care Services	4,091	1,760	991	2,580
6221	General Medical and Surgical Hospitals	173	282	1,286	3,663
6222	Psychiatric and Substance Abuse Hospitals	95	31	220	372
6223	Specialty (except Psychiatric and Substance Abuse) Hospitals	236	67	115	812
6231	Nursing Care Facilities	1,800	2,786	4,153	8,393
6232	Residential Mental Retardation, Mental Health and Substance Abuse Facilities	4,383	4,498	11,142	11,548
6233	Community Care Facilities for the Elderly	10,066	3,643	1,967	4,675
6239	Other Residential Care Facilities	2,031	1,471	1,901	1,149
6241	Individual and Family Services	30,788	10,388	10,368	6,168

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Table - 5 - Industries w/Hazard Assessments at 25%					
NAICS	Industry	1-19	20-99	100-499	500+
6242	Community Food and Housing, and Emergency and Other Relief Services	7,012	3,220	2,050	1,428
6243	Vocational Rehabilitation Services	2,145	1,577	2,495	1,688
6244	Child Day Care Services	49,323	12,495	6,247	6,698
7111	Performing Arts Companies	8,171	883	320	79
7112	Spectator Sports	3,813	418	214	186
7113	Promoters of Performing Arts, Sports, and Similar Events	5,409	503	157	298
7114	Agents and Managers for Artists, Athletes, Entertainers, and Other Public Figures	3,525	133	27	37
7115	Independent Artists, Writers, and Performers	19,751	287	31	18
7121	Museums, Historical Sites, and Similar Institutions	5,747	974	368	223
7131	Amusement Parks and Arcades	2,120	423	127	427
7132	Gambling Industries	1,491	427	380	431
7139	Other Amusement and Recreation Industries	50,948	10,053	2,428	4,395
7211	Traveler Accommodation	34,210	9,290	2,674	8,094
7212	RV (Recreational Vehicle) Parks and Recreational Camps	6,279	624	242	289
7213	Rooming and Boarding Houses	2,041	88	57	15
7221	Full-Service Restaurants	141,666	45,921	7,354	24,531

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Table - 5 - Industries w/Hazard Assessments at 25%					
NAICS	Industry	1-19	20-99	100-499	500+
7222	Limited-Service Eating Places	143,103	39,273	26,247	58,221
7223	Special Food Services	12,913	2,196	1,356	18,857
7224	Drinking Places (Alcoholic Beverages)	42,314	3,994	355	285
8111	Automotive Repair and Maintenance	147,700	8,818	3,828	6,023
8112	Electronic and Precision Equipment Repair and Maintenance	10,702	853	428	934
8113	Commercial and Industrial Machinery and Equipment (except Automotive and Electronic) Repair and Maintenance	20,482	1,643	529	1,243
8114	Personal and Household Goods Repair and Maintenance	21,531	508	84	825
8121	Personal Care Services	92,945	6,871	2,643	10,666
8122	Death Care Services	15,907	2,226	496	2,805
8123	Drycleaning and Laundry Services	32,397	4,173	1,411	3,350
8129	Other Personal Services	24,782	1,791	1,321	8,746
8131	Religious Organizations	162,156	16,334	1,344	470
8132	Grantmaking and Giving Services	12,974	1,396	682	1,304
8133	Social Advocacy Organizations	11,786	1,661	1,068	916
8134	Civic and Social Organizations	24,790	3,233	1,216	578
8139	Business, Professional, Labor, Political, and Similar Organizations	56,751	5,087	1,380	465
Total		3,358,774	432,983	232,134	683,907

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