

THE MULTIEMPLOYER PENSION CRISIS

Session 1: Background and Current State



Introductions



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Today's Presenters

- **Linda K. Stone, MAAA, FSA**
Senior Pension Fellow
- **Joe Hicks, MAAA, FCA, EA**
Member, Multiemployer Pension Plans Committee
- **Dave Pazamickas, MAAA, ASA, EA**
Member, Multiemployer Pension Plans Committee
- **Jason Russell, MAAA, FSA, EA**
Chairperson, Multiemployer Pension Plans Committee



A Three-Part Series

- **Session 1: Background and Current State**

Monday, July 15, 2019 | Noon to 1 p.m.

2261 Rayburn House Office Building

Today's
Session

- **Session 2: Possible Approaches for Addressing Failing Plans**

Monday, July 22, 2019 | Noon to 1 p.m.

G11 Dirksen Senate Office Building

- **Session 3: Strengthening the System for the Future**

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485 Russell Senate Office Building



Topics for Discussion

- The Basics
- Multiemployer Landscape
- Pension Benefit Guaranty Corporation (PBGC)
- Multiemployer Funding Rules
- Withdrawal Liability
- Actuarial Assumptions
- How We Got Here
- Developments Since MPRA
- Where We Go from Here



The Basics



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Employer Sponsored Retirement Systems

Defined Benefit

- Traditional (\$ per month, % of contributions)
- Hybrid (Cash Balance, Variable/Adjustable Benefit)

Defined Contribution

- Profit Sharing
- 401(k)

Private Sector / **Multiemployer** / Government Sponsored / Church Sponsored



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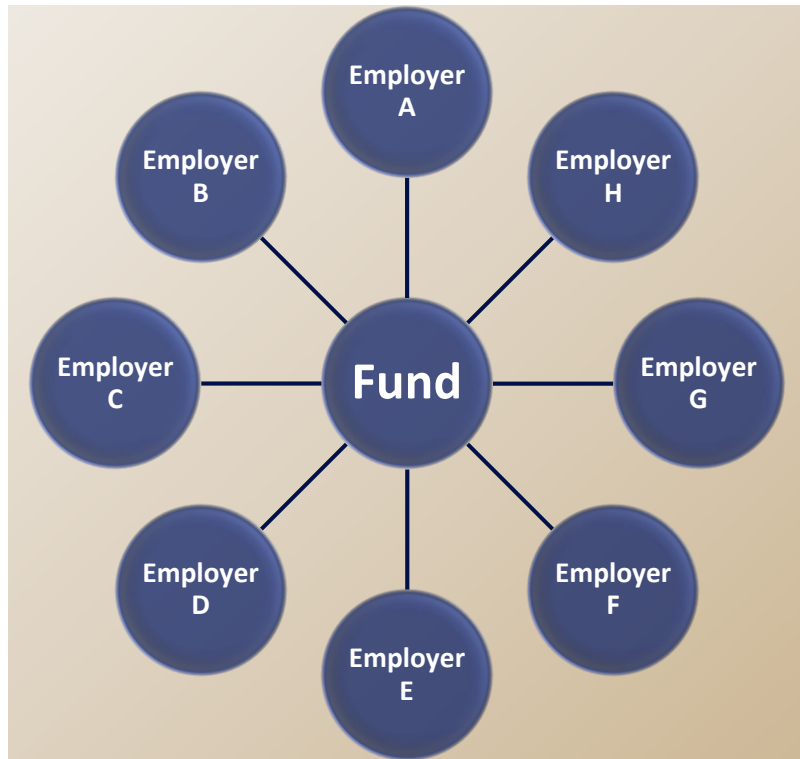
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Multiemployer Defined Benefit Basics

- Plans typically organized by industry
- Contributions collectively bargained
- Benefit levels set by Trustees
 - Trustees equally represented by labor and management
- Multiemployer system principles
 - Aligned with industry workforce patterns
 - Conducive to collective bargaining process
 - Aligned with employee needs



Basic Plan Structure



- Same geography, trade, union, industry
- Benefits earned at any contributing employer
- Employers share risk
- Union represents participants / collectively bargained benefits
- Trustees oversee Plan
- Not multiple employer plan

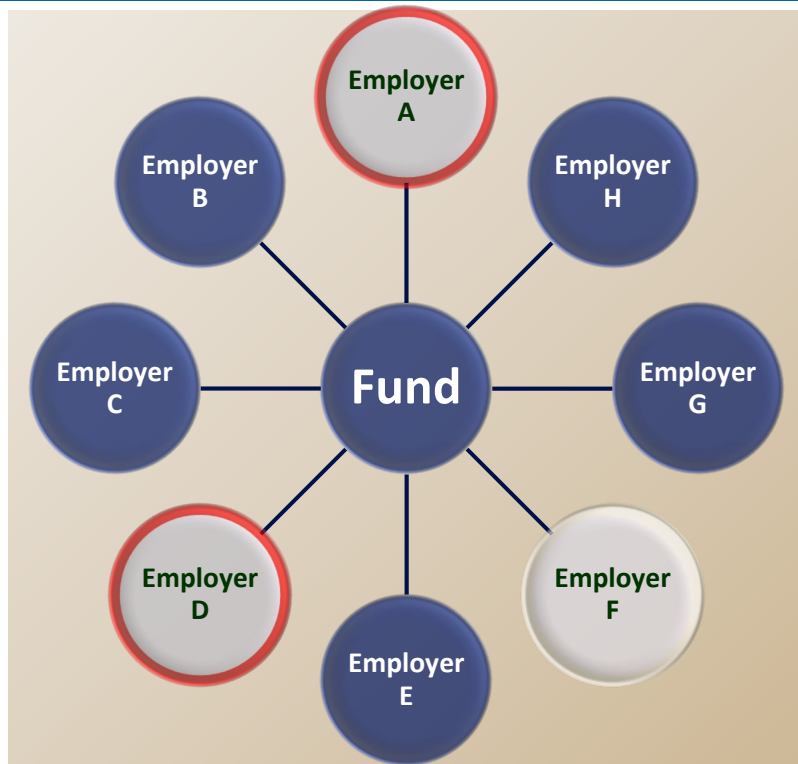


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Multiemployer Challenges



**Active
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**Withdrawn
Employer**

**Bankrupt
Employer**



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Multiemployer Landscape



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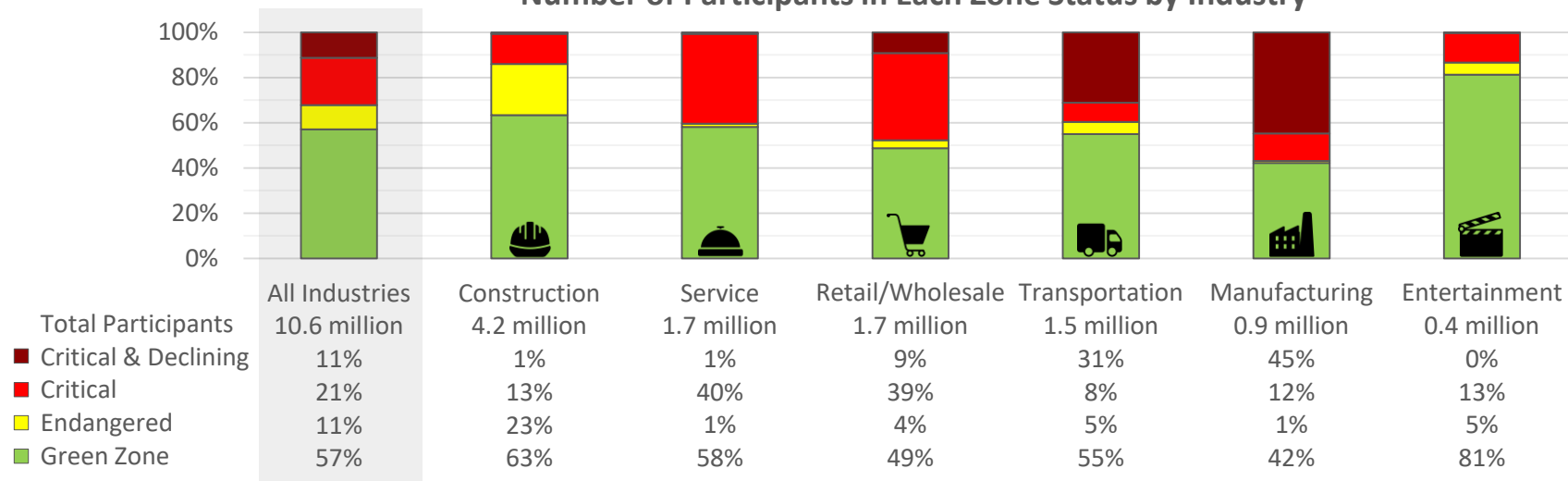
The Current Landscape

- Roughly 1,250 active multiemployer pension plans
 - Figure does not include over 100 plans already terminated or insolvent
 - Over 10 million active, inactive, and retired workers
- Close to 130 plans are in “critical and declining” status
 - Projected to exhaust their assets within the next 20 years
 - These plans cover over 1 million participants
- Other plans projected to fail beyond 20 years



Zone Status by Industry

Number of Participants in Each Zone Status by Industry



Source: Horizon Actuarial study of 2016 Form 5500 data

- Percentages may not sum to 100% due to rounding
- Approximately 0.2 million participants are covered in industries other than those shown in the chart above



PBGC

“PBGC” = Pension Benefit Guaranty Corporation



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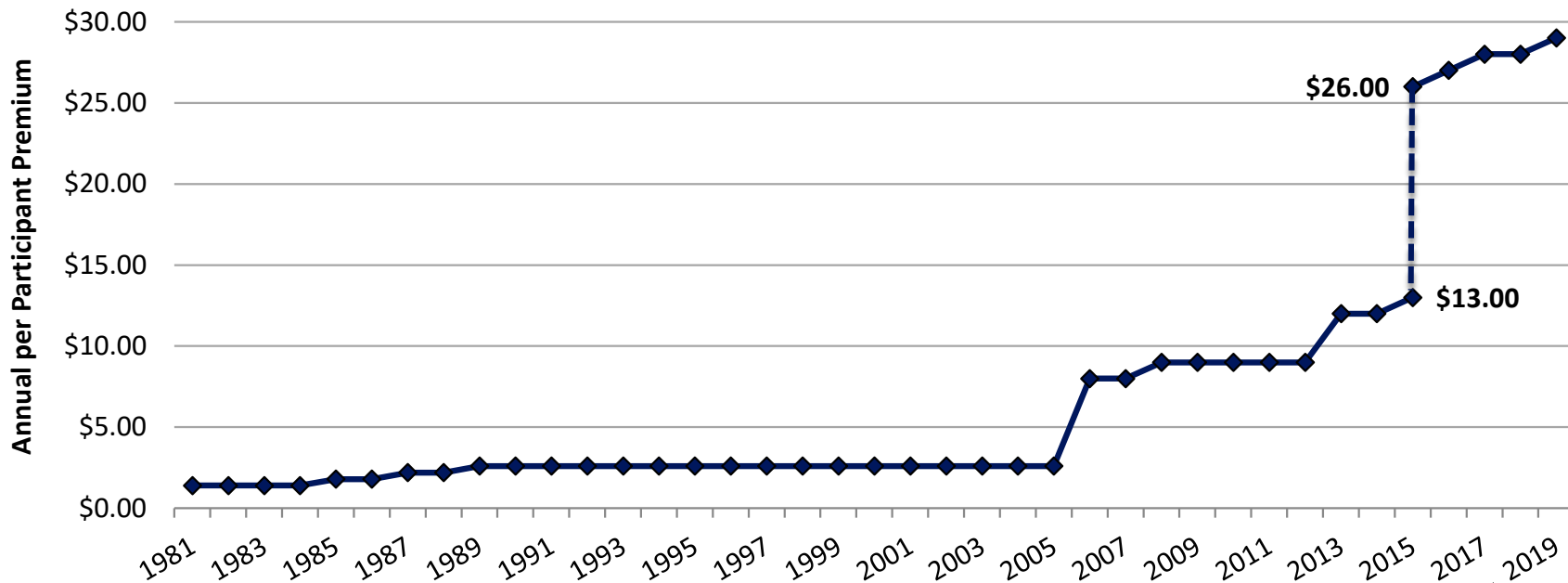
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Multiemployer PBGC Basics

- Provides assistance to plans unable to pay benefits
- Distinct Single and Multiemployer programs
- Funded by premiums paid by plan sponsors
- Multiemployer guaranteed benefit amount
 - 100% of first \$11 of monthly benefit plus 75% of the next \$33 of monthly benefit for each year of service



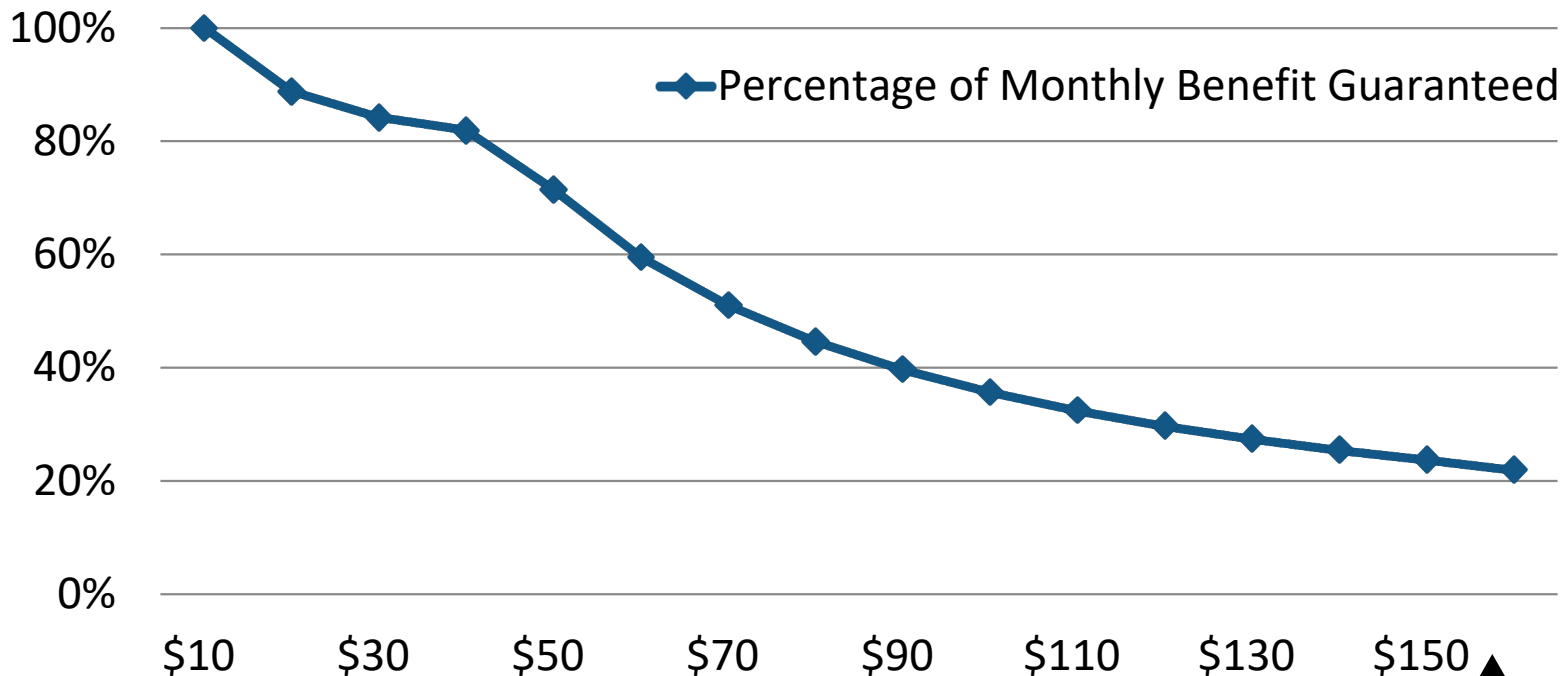
Multiemployer Historical PBGC Premiums



Premiums increase with inflation after the Multiemployer Pension Reform Act of 2014

17 **Source: CBIZ Retirement Plan Services**

PBGC Guaranteed Benefit Amount



PBGC Guarantee: 100% of first \$11 of monthly benefit plus 75% of the next \$33 of monthly benefit for each year of service

Source: CBIZ Retirement Plan Services

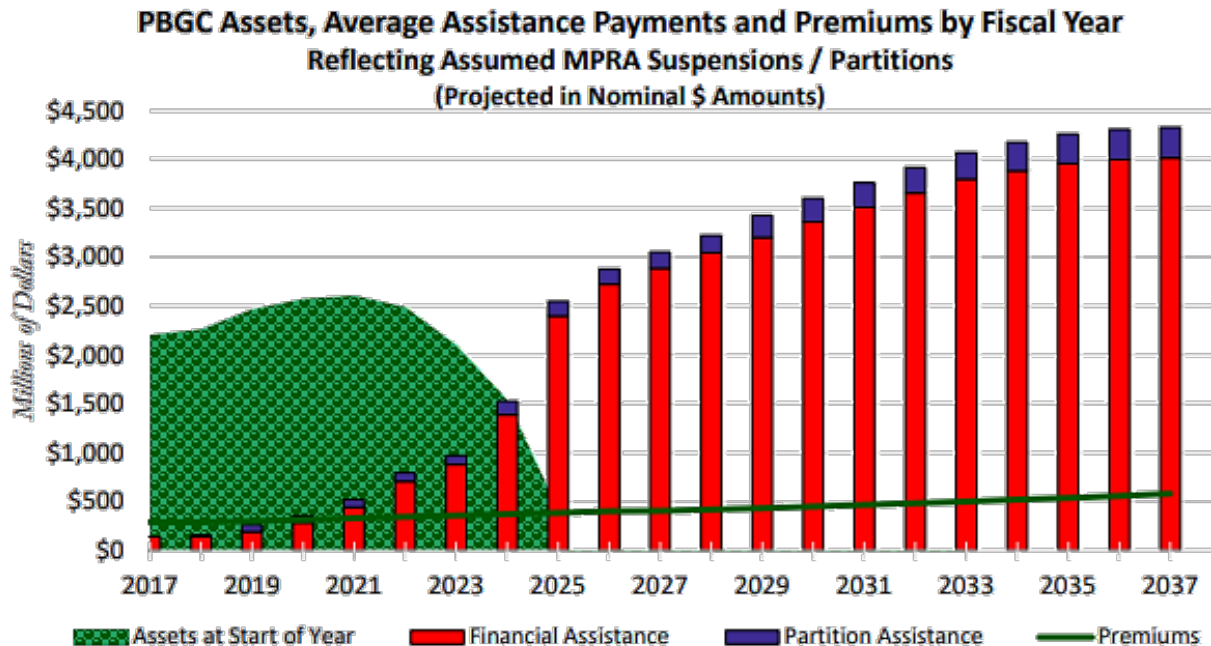


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PBGC Multiemployer Fund Projection



PBGC Multiemployer Overview

- PBGC assistance may be constrained
 - ▣ Multiemployer program underfunded nearly \$60B
 - ▣ Multiemployer program likely insolvent in 2025
- PBGC benefit guarantee is already low
- Dramatically larger benefit losses if PBGC fails
- Benefit losses could impact funding for social welfare programs



Multiemployer Funding Rules



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Funding Rules: ERISA

- ERISA = Employee Retirement Income Security Act
- Passed in 1974, became effective in 1976
- Accrued benefit protections (anti-cutback rule)
- Minimum funding standards
 - Required 100% funding over a 10 to 40 year period
 - Based on best estimate actuarial assumptions
- PBGC established to support insolvent plans



Funding Rules: PPA

- PPA = Pension Protection Act
- Amended ERISA; passed in 2006, effective in 2008
- Created “critical” and “endangered” zone status
 - ▣ Incorporated projections into funding standards
 - ▣ Required funding improvement and rehabilitation plans
 - ▣ Critical status plans may reduce adjustable benefits
- Limit amortization periods to 15 years
- Higher maximum tax-deductible limits



Funding Rules: MPRA

- MPRA = Multiemployer Pension Reform Act
- Amended ERISA; passed at end of 2014, effective in 2015
- Included technical corrections to PPA
- Increased PBGC per-participant premium rates
 - From \$12 in 2014 to \$26 in 2015
- Gave new tools to plans in “critical and declining” status
 - Suspension of benefits
 - Partition of benefits (liability removal) by PBGC
 - Facilitated merger by PBGC



Withdrawal Liability



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Withdrawal Liability Basics

- Established in 1980 under MPPAA
 - ▣ “MPPAA” = Multiemployer Pension Plan Amendments Act
- Represents employer’s share of UVB
 - ▣ “UVB” = Unfunded Vested Benefits
 - ▣ Shortfall of assets versus value of vested benefits
- Assessed when an employer withdraws from plan
 - ▣ Withdrawal = stop making contributions to plan



Withdrawal Liability Calculations

- | | |
|---------------------|--|
| 1. UVB Measurement | <ul style="list-style-type: none">• Annual measurement for total plan• Based on plan actuary's assumptions, for example:<ul style="list-style-type: none">○ Funding interest rate (7% to 7.5%)○ PBGC settlement rates (under 3%) |
| 2. UVB Allocation | <ul style="list-style-type: none">• Total plan UVB must be allocated among employers• ERISA defines certain allocation methods• Some plans can apply to PBGC for alternate methods |
| 3. Payment Schedule | <ul style="list-style-type: none">• ERISA defines payment schedule• Based on historical contribution rates, work levels• In general, payments are limited to 20 years |



Withdrawal Liability Issues

- “Unpaid” withdrawal liability
 - ▣ Possible sources:
 - Employer affected by “20-year cap”
 - Employer goes bankrupt
 - Employer settles withdrawal liability at a discount
 - ▣ Creates additional burden for employers remaining in plan
- Consider effect on employer’s credit
 - ▣ e.g., if withdrawal liability given higher priority in bankruptcy

Withdrawal Liability Special Rules

- Construction industry plans
 - ▣ Exemption for employers that withdraw – and don't go non union
 - ▣ Plans not permitted to adopt alternative UVB allocation methods
- Mass withdrawal
 - ▣ Occurs when all (or substantially all) employers withdraw
 - ▣ UVB recalculated based on PBGC assumptions
 - ▣ 20-year cap ceases to apply



Actuarial Assumptions



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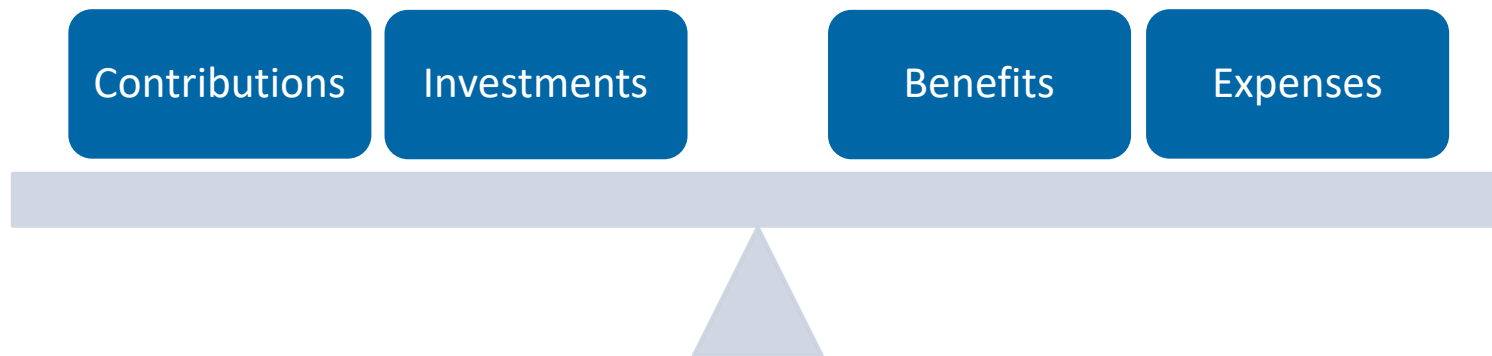
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Fundamental Equation

$$C + I = B + E$$

Contributions (C) + Investments (I) = Benefits (B) + Expenses (E)



Typical Defined Benefit Plan Assumptions

Economic Assumptions

- Discount Rate
- Return on Assets
- Inflation
- Future Hours Worked
- Administrative Expenses

Demographic Assumptions

- Mortality
- Mortality Improvement
- Turnover
- Disability Incidence
- Payment Form



Actuarial Standards of Practice (“ASOPs”)

No.	Name	Most Recent Eff. Date
4	Measuring Pension Obligations	December 31, 2014*
23	Data Quality	April 30, 2017
25	Credibility Procedures	May 1, 2014
27	Selection of Economic Assumptions	September 30, 2014*
35	Selection of Demographic and Other Noneconomic Assumptions	June 30, 2015*
41	Actuarial Communications	May 1, 2011
44	Selection/Use of Asset Valuation Methods for Pension Valuations	March 15, 2008
51	Assessment and Disclosure of Risk	November 1, 2018

* Under Revision

Assumption Setting Guidance



How We Got Here



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How The Current Situation Developed

- ❑ Benefits supported by diversified asset portfolios
- ❑ Past surpluses not retained to offset future losses
- ❑ Plans became more mature
 - Declines in covered workforce
 - Employers have exited the system
- ❑ Dramatic asset losses in the “Great Recession”



How The Current Situation Developed

Median Results for Multiemployer Pension Plans: 2002 to 2016

Median Results <i>Based on Form 5500 Data</i>	Funded Percentages		Annualized Returns	Average Contrib. Rate	Demographic Maturity Ratio	
2016 Zone Status	2002	2016	2002-2016	2002-2016	2002	2016
All Plans	75%	83%	5.3%	x 2.6	1.0	1.7
Critical & Declining	76%	52%	5.3%	x 2.9	1.7	6.4
Critical	73%	66%	5.2%	x 2.9	1.0	2.0
Endangered	68%	71%	5.1%	x 2.7	1.0	1.6
Green Zone	77%	90%	5.4%	x 2.4	0.8	1.4

- Source: Horizon Actuarial study of Form 5500 data. See following exhibits for more detail.
- Conclusions supported by Segal Consulting study of Form 5500 data done in 2018.
See pages 21-34: <https://nccmp.org/wp-content/uploads/2018/09/Appropriateness-of-Current-Assumptions.pdf>



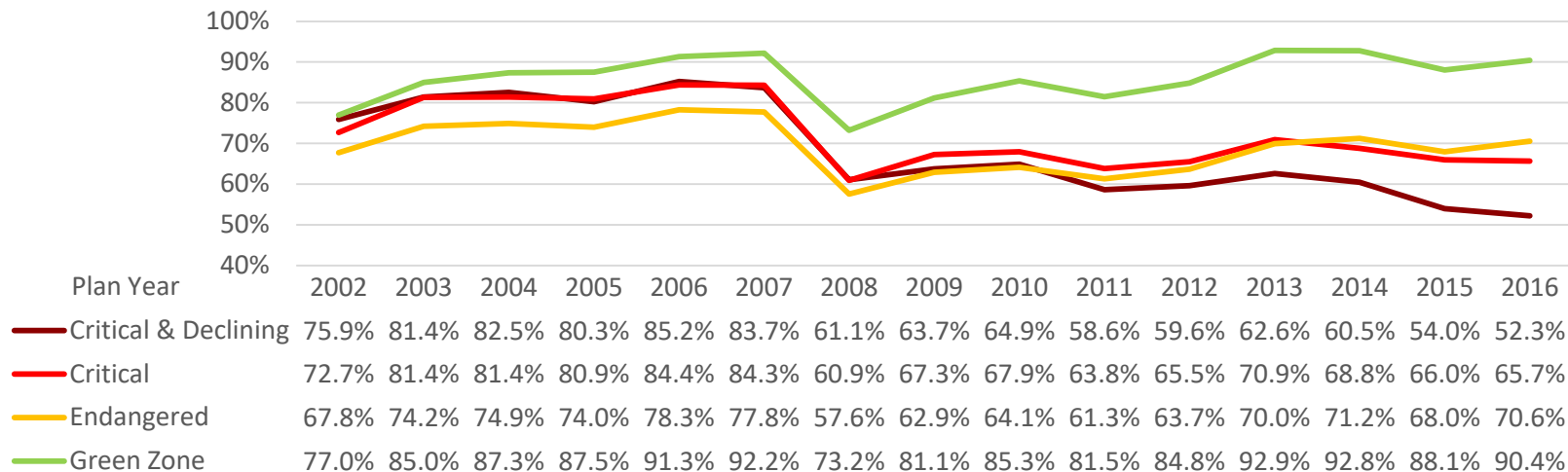
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Funded Percentage

Median Market Value Funded Percentages (End of Year)



Source: Horizon Actuarial study of Form 5500 data

- Results include calendar year plans only; may not be comparable with non-calendar plan years
- Funded percentages are measured at December 31 and are based on the market value of assets and the unit credit accrued liability
- Note: funded percentages under PPA are measured based on the actuarial value of assets
- Zone status determined based on 2016 Form 5500



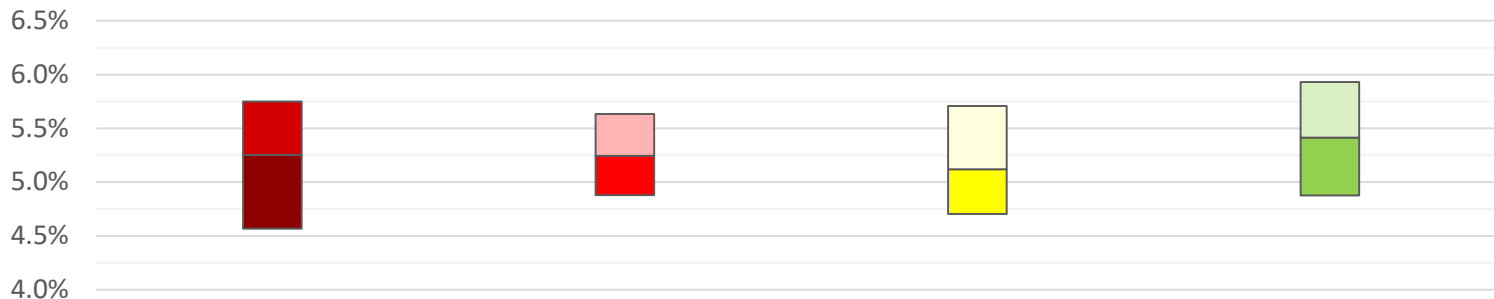
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Investment Returns

Range of 15-Year Annualized Investment Returns by Zone Status (2002-2016)



	Critical & Declining	Critical	Endangered	Green Zone
Total Plans	38	85	48	318
75th Percentile	5.8%	5.6%	5.7%	5.9%
50th Percentile (Median)	5.3%	5.2%	5.1%	5.4%
25th Percentile	4.6%	4.9%	4.7%	4.9%

Source: Horizon Actuarial study of Form 5500 data

- Analysis performed for calendar year plans with complete history only; may not be comparable with non-calendar plan years
- Returns are net of investment fees, but gross of operating expenses
- Plan's investment allocation is a key driver of its investment returns
- Investment horizons for most pension plans are longer than 15 years
- Zone status determined based on 2016 Form 5500



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Contribution Increases

Range of Contribution Rate Increases by Zone Status from 2002 to 2016



	Critical & Declining	Critical	Endangered	Green Zone
Total Plans	99	197	135	664
75th Percentile	x 4.5	x 4.0	x 3.8	x 3.2
50th Percentile (Median)	x 2.9	x 2.9	x 2.7	x 2.4
25th Percentile	x 2.0	x 2.2	x 2.1	x 1.8

Source: Horizon Actuarial study of Form 5500 data

- Hours worked (or other contribution base units) are not reported on the Form 5500
- Employer contributions per active participant is used as a proxy for contribution rate
- Zone status determined based on 2016 Form 5500



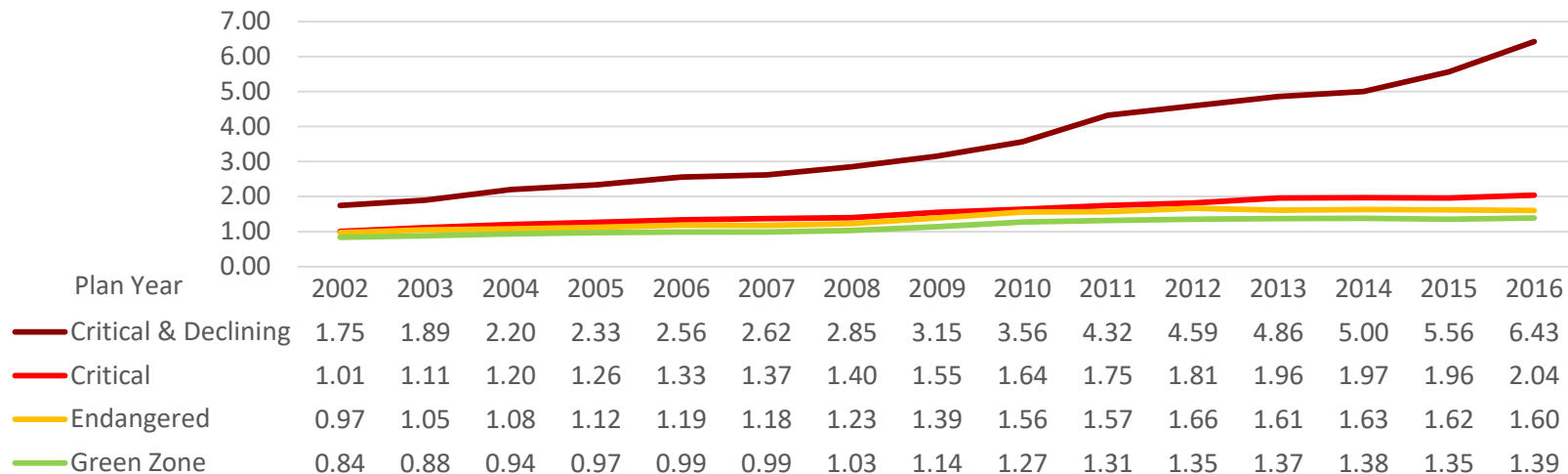
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Plan Maturity: Participant Ratio

Median Participant Ratios: Inactive to Active (End of Plan Year)

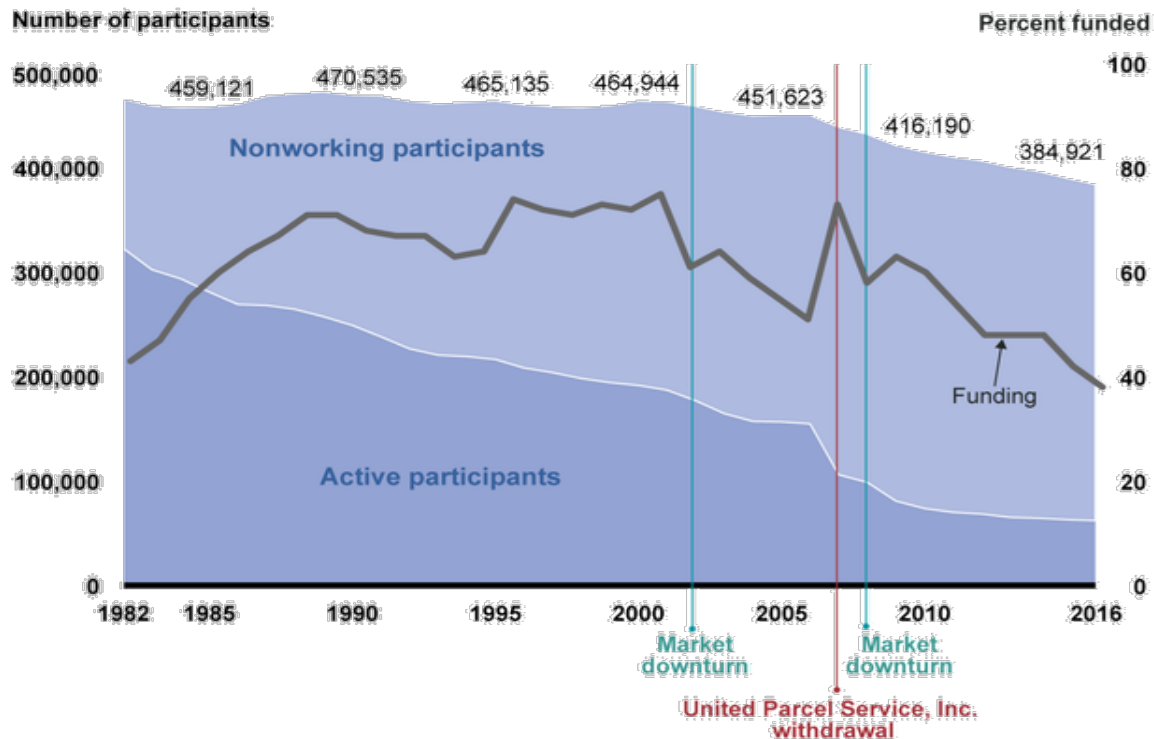


Source: Horizon Actuarial study of Form 5500 data

- Participant ratio = number of inactive participants / number of active participants
- Inactive participants include inactive participants with deferred benefits, retirees, and beneficiaries
- Zone status determined based on 2016 Form 5500

GAO Study on Central States

CSPF Funding Levels and Active and Nonworking Participant Totals, 1982–2016



Source: GAO study of Central States, Southeast, and Southwest Areas Pension Fund (CSPF), June 2018

<https://www.gao.gov/products/GAO-18-105>

Central States Inactive/Active Ratio:

- 2000 = 1.4
- 2005 = 1.9
- 2010 = 4.6
- 2016 = 5.3



Why Does Plan Maturity Matter?

- Mature plans have more difficulty reacting to:
 - Investment losses
 - Longevity increases
 - Other adverse events
- Correction levers not as powerful for mature plans
 - Contribution increases
 - Reductions in future benefit levels



Developments Since MPRA

“MPRA” = Multiemployer Pension Reform Act of 2014



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MPRA Suspensions of Benefits

- Available to plans in critical and declining status
- Requirements for suspension
 - Must enable plan to avoid projected insolvency
 - Must not materially exceed the amount to avoid insolvency
 - Must be equitably distributed across the participant population
 - Certain participants (old age, disabled) are protected
 - Cannot reduce benefits below 110% of PBGC guarantees
- Plans must submit application to Treasury for approval
 - Treasury has 225 days to review (with PBGC and Department of Labor (DOL))



Applications to Suspend Benefits

Application Status	Plan Count	Total Participants (Approx.)
Approved	14	91,000
Denied	4	429,000
Withdrawn	6	9,500
In Review	1	< 2,000
Total	25	531,000

- Above counts are as of July 1, 2019
- Approvals include 3 PBGC partitions
- Of the 14 approvals, 6 were on the first attempt

Participant Votes

- If Treasury approves suspension, subject to participant vote
 - Must be conducted 30 days after suspension is approved
 - Under MPRA, no response counts as “yes” vote
 - All 14 participant votes to date have approved suspension
 - In only 2 votes did a majority of *returned ballots* approve
 - Vote to reject is overridden for “systemically important” plans
 - Representing at least \$1 billion in liability to PBGC



Observations

- ❑ Concern over cutting benefits too much?
 - ▣ But most denials were because cuts were not big enough
 - ▣ i.e., not sufficient to enable the plan to remain solvent
- ❑ Only 25 plans have applied for a suspension of benefits
 - Possible reasons for not applying:*
 - ▣ Cannot avoid insolvency with a suspension (plan is “too far gone”)
 - ▣ “Winners vs. losers” analysis does not support a suspension
 - ▣ Significant time and resources to submit an application
 - ▣ Uncertainty over approval of application



Where Do We Go from Here?



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Current Proposals

- ❑ Rehabilitation for Multiemployer Pensions Act [Jul. 2019]
 - ▣ Rebranding of the Butch Lewis Act, originally introduced Nov. 2017
 - ▣ Would provide loans, PBGC assistance to troubled plans
- ❑ Miners Pension Protection Act [Jan. 2019]
 - ▣ Focuses on solvency for Mine Workers Pension Plan
- ❑ Giving Retirement Options to Workers Act [Feb. 2018]
 - ▣ Would allow plans to adopt “composite plan” for future service
- ❑ Other proposals?



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