

# Accessible Material

## Summary of Economic Projections Compilation and Summary of Individual Economic Projections

### November 2-3, 2010 Tables and Charts

SEP: [Compilation and Summary of Individual Economic Projections \(PDF\)](#)

Authorized for Public Release

**Table 1: Economic Projections of Federal Reserve Governors and Reserve Bank Presidents, November 2010**

Percent

Variable	Central tendency <sup>1</sup>					Range <sup>2</sup>				
	2010	2011	2012	2013	Longer run	2010	2011	2012	2013	Longer run
Change in real GDP	2.4 to 2.5	3.0 to 3.6	3.6 to 4.5	3.5 to 4.6	2.5 to 2.8	2.3 to 2.5	2.5 to 4.0	2.6 to 4.7	3.0 to 5.0	2.4 to 3.0
June projection	3.0 to 3.5	3.5 to 4.2	3.5 to 4.5	n/a to n/a	2.5 to 2.8	2.9 to 3.8	2.9 to 4.5	2.8 to 5.0	n/a to n/a	2.4 to 3.0
Unemployment rate	9.5 to 9.7	8.9 to 9.1	7.7 to 8.2	6.9 to 7.4	5.0 to 6.0	9.4 to 9.8	8.2 to 9.3	7.0 to 8.7	5.9 to 7.9	5.0 to 6.3
June projection	9.2 to 9.5	8.3 to 8.7	7.1 to 7.5	n/a to n/a	5.0 to 5.3	9.0 to 9.9	7.6 to 8.9	6.8 to 7.9	n/a to n/a	5.0 to 6.3
PCE inflation	1.2 to 1.4	1.1 to 1.7	1.1 to 1.8	1.2 to 2.0	1.6 to 2.0	1.1 to 1.5	0.9 to 2.2	0.6 to 2.2	0.4 to 2.0	1.5 to 2.0
June projection	1.0 to 1.1	1.1 to 1.6	1.0 to 1.7	n/a to n/a	1.7 to 2.0	0.9 to 1.8	0.8 to 2.4	0.5 to 2.2	n/a to n/a	1.5 to 2.0
Core PCE inflation <sup>3</sup>	1.0 to 1.1	0.9 to 1.6	1.0 to 1.6	1.1 to 2.0		0.9 to 1.4	0.7 to 2.0	0.6 to 2.0	0.5 to 2.0	
June projection	0.8 to 1.0	0.9 to 1.3	1.0 to 1.5	n/a to n/a		0.7 to 1.5	0.6 to 2.4	0.4 to 2.2	n/a to n/a	

Note: Projections of change in real gross domestic product (GDP) and of inflation are from the fourth quarter of the previous year to the fourth quarter of the year indicated. PCE inflation and core PCE inflation are the percentage rates of change in, respectively, the price index for personal consumption expenditures (PCE) and the price index for PCE excluding food and energy. Projections for the unemployment rate are for the average civilian unemployment rate in the fourth quarter of the year indicated. Each participant's projections are based on his or her assessment of appropriate monetary policy. Longer-run projections represent each participant's assessment of the rate to which each variable would be expected to converge under appropriate monetary policy and in the absence of further shocks to the economy. The June projections were made in conjunction with the FOMC meeting on June 22-23, 2010.

1. The central tendency excludes the three highest and three lowest projections for each variable in each year. [Return to table](#)
2. The range for a variable in a given year consists of all participants' projections, from lowest to highest, for that variable in that year. [Return to table](#)
3. Longer-run projections for core PCE inflation are not collected. [Return to table](#)

**Table 1a**  
**Economic Projections for the First Half of 2010\***  
(in percent)

#### Central Tendencies and Ranges

	Central Tendency	Range
Change in Real GDP	2.7 to 2.7	2.7 to 2.7
PCE Inflation	1.0 to 1.0	1.0 to 1.0
Core PCE Inflation	1.1 to 1.1	1.1 to 1.1

#### Participants' Projections

Projection	Change in Real GDP	PCE Inflation	Core PCE Inflation
1	2.7	1.0	1.1
2	2.7	1.0	1.1

Projection	Change in Real GDP	PCE Inflation	Core PCE Inflation
3	2.7	1.0	1.1
4	2.7	1.0	1.1
5	2.7	1.0	1.1
6	2.7	1.0	1.1
7	2.7	1.0	1.1
8	2.7	1.0	1.1
9	2.7	1.0	1.1
10	2.7	1.0	1.1
11	2.7	1.0	1.1
12	2.7	1.0	1.1
13	2.7	1.0	1.1
14	2.7	1.0	1.1
15	2.7	1.0	1.1
16	2.7	1.0	1.1
17	2.7	1.0	1.1
18	2.7	1.0	1.1

\* Growth and inflation are reported at annualized rates. [Return to text](#)

Table 1b  
Economic Projections for the Second Half of 2010\*  
(in percent)

Central Tendencies and Ranges

	Central Tendency	Range
Change in Real GDP	2.1 to 2.3	1.9 to 2.3
PCE Inflation	1.4 to 1.8	1.2 to 2.0
Core PCE Inflation	0.9 to 1.1	0.7 to 1.7

Participants' Projections

Projection	Change in Real GDP	PCE Inflation	Core PCE Inflation
1	2.1	1.8	0.9
2	1.9	1.4	0.7
3	2.3	1.6	0.7
4	2.1	1.8	1.3
5	2.3	1.6	0.9
6	2.1	1.4	0.9
7	2.1	1.6	1.1
8	1.9	1.6	0.9
9	2.1	1.6	1.1
10	2.3	1.2	0.9
11	1.9	1.2	0.9
12	2.3	1.8	1.7
13	2.1	1.4	0.9
14	2.1	2.0	0.9
15	2.1	1.2	0.9
16	2.3	1.4	1.1
17	2.1	1.4	1.1

**Projection   Change in Real GDP   PCE Inflation   Core PCE Inflation**

**18                      2.1                      1.6                      1.1**

\* Projections for the second half of 2010 implied by participants' November projections for the first half of 2010 and for 2010 as a whole. Growth and inflation are reported at annualized rates. [Return to text](#)

**Table 2**  
**November Economic Projections**  
**(in percent)**

<b>Projection</b>	<b>Year</b>	<b>Change in Real GDP</b>	<b>Unemployment Rate</b>	<b>PCE Inflation</b>	<b>Core PCE Inflation</b>
1	2010	2.4	9.7	1.4	1.0
2	2010	2.3	9.5	1.2	0.9
3	2010	2.5	9.7	1.3	0.9
4	2010	2.4	9.7	1.4	1.2
5	2010	2.5	9.6	1.3	1.0
6	2010	2.4	9.5	1.2	1.0
7	2010	2.4	9.7	1.3	1.1
8	2010	2.3	9.7	1.3	1.0
9	2010	2.4	9.7	1.3	1.1
10	2010	2.5	9.6	1.1	1.0
11	2010	2.3	9.8	1.1	1.0
12	2010	2.5	9.4	1.4	1.4
13	2010	2.4	9.7	1.2	1.0
14	2010	2.4	9.5	1.5	1.0
15	2010	2.4	9.6	1.1	1.0
16	2010	2.5	9.7	1.2	1.1
17	2010	2.4	9.6	1.2	1.1
18	2010	2.4	9.7	1.3	1.1
1	2011	2.5	9.2	1.7	1.6
2	2011	3.5	9.1	0.9	0.8
3	2011	3.6	9.0	0.9	0.7
4	2011	3.5	9.1	1.3	1.1
5	2011	3.5	9.0	1.2	1.0
6	2011	3.0	8.9	1.4	1.3
7	2011	3.2	9.0	1.5	1.2
8	2011	3.6	9.0	1.0	0.9
9	2011	3.7	9.0	1.1	0.8
10	2011	3.6	8.9	1.1	1.0
11	2011	4.0	8.3	1.4	1.2
12	2011	3.4	8.2	2.2	1.8
13	2011	3.1	9.3	1.2	1.0
14	2011	3.4	9.0	2.0	2.0
15	2011	3.4	9.0	1.3	1.1
16	2011	3.0	9.0	1.8	1.8
17	2011	2.6	9.1	1.3	1.0
18	2011	3.6	9.0	1.1	1.0

Projection	Year	Change in Real GDP	Unemployment Rate	PCE Inflation	Core PCE Inflation
1	2012	2.6	8.7	2.0	1.8
2	2012	3.6	8.4	1.2	1.0
3	2012	4.6	7.7	0.6	0.6
4	2012	4.2	8.2	1.4	1.2
5	2012	4.5	7.9	1.0	1.0
6	2012	3.2	8.1	1.5	1.5
7	2012	4.0	8.0	1.5	1.4
8	2012	4.7	7.9	1.1	1.0
9	2012	4.2	8.1	1.2	0.9
10	2012	4.1	8.0	1.5	1.5
11	2012	4.5	7.0	1.8	1.6
12	2012	3.2	7.2	2.2	2.0
13	2012	4.3	8.4	1.1	1.0
14	2012	4.4	8.0	1.5	1.5
15	2012	4.0	8.0	1.5	1.4
16	2012	4.0	8.2	2.0	2.0
17	2012	4.4	8.0	1.4	1.1
18	2012	4.7	7.1	1.2	1.2
1	2013	3.0	7.9	2.0	2.0
2	2013	3.3	7.9	1.5	1.2
3	2013	4.5	6.9	0.4	0.5
4	2013	4.2	7.1	1.4	1.3
5	2013	4.5	6.9	1.1	1.1
6	2013	3.5	7.2	1.8	1.8
7	2013	4.0	7.0	1.5	1.4
8	2013	4.7	7.1	1.2	1.1
9	2013	4.5	7.1	1.3	1.0
10	2013	3.8	7.3	2.0	2.0
11	2013	5.0	5.9	2.0	2.0
12	2013	3.0	6.5	2.0	2.0
13	2013	4.7	7.1	1.2	1.2
14	2013	3.8	7.0	1.5	1.5
15	2013	3.8	7.0	1.6	1.6
16	2013	4.0	7.5	2.0	2.0
17	2013	4.6	7.4	1.4	1.2
18	2013	4.6	6.1	1.4	1.3
1	LR	2.5	6.3	1.9	
2	LR	2.6	6.0	2.0	
3	LR	2.5	5.3	2.0	
4	LR	2.5	5.2	2.0	
5	LR	2.5	5.3	2.0	
6	LR	2.5	5.2	2.0	
7	LR	2.5	6.0	1.5	
8	LR	2.5	5.2	2.0	
9	LR	2.5	5.3	2.0	
10	LR	2.8	5.5	1.5	

Projection	Year	Change in Real GDP	Unemployment Rate	PCE Inflation	Core PCE Inflation
11	LR	2.4	5.0	2.0	
12	LR	2.8	5.8	1.7	
13	LR	2.8	5.0	2.0	
14	LR	2.8	6.0	1.5	
15	LR	2.5	5.5	1.8	
16	LR	3.0	5.0	2.0	
17	LR	2.5	5.0	2.0	
18	LR	3.0	5.2	1.6	

Figure 1. Central tendencies and ranges of economic projections, 2010-13 and over the longer run

#### Change in real GDP

Percent

	2005	2006	2007	2008	2009	2010	2011	2012	2013	Longer Run
<b>Actual</b>	2.7	2.4	2.3	(2.8)	0.2	-	-	-	-	-
<b>Upper End of Range</b>	-	-	-	-	-	2.5	4.0	4.7	5.0	3.0
<b>Upper End of Central Tendency</b>	-	-	-	-	-	2.5	3.6	4.5	4.6	2.8
<b>Lower End of Central Tendency</b>	-	-	-	-	-	2.4	3.0	3.6	3.5	2.5
<b>Lower End of Range</b>	-	-	-	-	-	2.3	2.5	2.6	3.0	2.4

#### Unemployment rate

Percent

	2005	2006	2007	2008	2009	2010	2011	2012	2013	Longer Run
<b>Actual</b>	5.0	4.5	4.8	6.9	10.0	-	-	-	-	-
<b>Upper End of Range</b>	-	-	-	-	-	9.8	9.3	8.7	7.9	6.3
<b>Upper End of Central Tendency</b>	-	-	-	-	-	9.7	9.1	8.2	7.4	6.0
<b>Lower End of Central Tendency</b>	-	-	-	-	-	9.5	8.9	7.7	6.9	5.0
<b>Lower End of Range</b>	-	-	-	-	-	9.4	8.2	7.0	5.9	5.0

#### PCE inflation

Percent

	2005	2006	2007	2008	2009	2010	2011	2012	2013	Longer Run
<b>Actual</b>	3.3	1.9	3.5	1.7	1.5	-	-	-	-	-
<b>Upper End of Range</b>	-	-	-	-	-	1.5	2.2	2.2	2.0	2.0
<b>Upper End of Central Tendency</b>	-	-	-	-	-	1.4	1.7	1.8	2.0	2.0
<b>Lower End of Central Tendency</b>	-	-	-	-	-	1.2	1.1	1.1	1.2	1.6
<b>Lower End of Range</b>	-	-	-	-	-	1.1	0.9	0.6	0.4	1.5

#### Core PCE inflation

Percent

	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>Actual</b>	2.3	2.3	2.4	2.0	1.7	-	-	-	-
<b>Upper End of Range</b>	-	-	-	-	-	1.4	2.0	2.0	2.0
<b>Upper End of Central Tendency</b>	-	-	-	-	-	1.1	1.6	1.6	2.0
<b>Lower End of Central Tendency</b>	-	-	-	-	-	1.0	0.9	1.0	1.1
<b>Lower End of Range</b>	-	-	-	-	-	0.9	0.7	0.6	0.5

Note: Definitions of variables are in the notes to table 1. The data for the actual values of the variables are annual.

## Uncertainty and Risks - GDP Growth

2(a): Please indicate your judgment of the uncertainty attached to your projections relative to levels of uncertainty over the past 20 years.

	Lower (C)	Broadly similar (B)	Higher (A)
Number of participants	0	2	16

2(b): Please indicate your judgment of the risk weighting around your projections.

	Weighted to downside (C)	Broadly balanced (B)	Weighted to upside (A)
Number of participants	7	10	1

### Individual Responses

Respondent	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2(a)	A	A	A	A	A	A	B	A	A	A	A	A	A	B	A	A	A	A
2(b)	B	C	C	B	C	B	B	C	C	B	C	B	B	B	B	B	A	C

## Uncertainty and Risks - Unemployment Rate

2(a): Please indicate your judgment of the uncertainty attached to your projections relative to levels of uncertainty over the past 20 years.

	Lower (C)	Broadly similar (B)	Higher (A)
Number of participants	0	3	15

2(b): Please indicate your judgment of the risk weighting around your projections.

	Weighted to downside (C)	Broadly balanced (B)	Weighted to upside (A)
Number of participants	0	9	9

### Individual Responses

Respondent	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2(a)	A	A	A	A	A	A	B	A	A	A	A	B	A	B	A	A	A	A
2(b)	B	A	A	A	A	B	B	A	A	B	A	B	A	B	B	B	B	A

## Uncertainty and Risks - PCE Inflation

2(a): Please indicate your judgment of the uncertainty attached to your projections relative to levels of uncertainty over the past 20 years.

	Lower (C)	Broadly similar (B)	Higher (A)
Number of participants	1	3	14

2(b): Please indicate your judgment of the risk weighting around your projections.

	Weighted to downside (C)	Broadly balanced (B)	Weighted to upside (A)
Number of participants	5	11	2

### Individual Responses

Respondent	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2(a)	A	A	A	A	A	A	C	A	B	A	A	A	A	B	A	A	B	A
2(b)	B	C	C	C	B	C	B	B	B	B	C	A	A	B	B	B	B	B

## Uncertainty and Risks - Core PCE Inflation

2(a): Please indicate your judgment of the uncertainty attached to your projections relative to levels of uncertainty over the past 20 years.

	Lower (C)	Broadly similar (B)	Higher (A)
Number of participants	1	3	14

2(b): Please indicate your judgment of the risk weighting around your projections.

	Weighted to downside (C)	Broadly balanced (B)	Weighted to upside (A)
Number of participants	5	11	2

### Individual Responses

Respondent	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2(a)	A	A	A	A	A	A	C	A	B	A	A	A	A	B	A	A	B	A
2(b)	B	C	C	C	B	C	B	B	B	B	C	A	A	B	B	B	B	B

Figure 2.A. Distribution of participants' projections for the change in real GDP, 2010-13 and over the longer run

Number of participants (except as noted)

Percent range	2010		2011		2012		2013		Longer Run	
	November projections	June projections								
2.2 - 2.3	3	0	0	0	0	0	0	n.a.	0	0
2.4 - 2.5	15	0	1	0	0	0	0	n.a.	11	10
2.6 - 2.7	0	0	1	0	1	0	0	n.a.	1	1
2.8 - 2.9	0	1	0	1	0	1	0	n.a.	4	5
3.0 - 3.1	0	4	3	2	0	1	2	n.a.	2	1
3.2 - 3.3	0	4	1	0	2	1	1	n.a.	0	0
3.4 - 3.5	0	6	6	2	0	2	1	n.a.	0	0
3.6 - 3.7	0	1	5	2	1	0	0	n.a.	0	0
3.8 - 3.9	0	1	0	2	0	1	3	n.a.	0	0
4.0 - 4.1	0	0	1	4	4	2	2	n.a.	0	0
4.2 - 4.3	0	0	0	2	3	1	1	n.a.	0	0
4.4 - 4.5	0	0	0	2	4	5	3	n.a.	0	0
4.6 - 4.7	0	0	0	0	3	1	4	n.a.	0	0
4.8 - 4.9	0	0	0	0	0	1	0	n.a.	0	0
5.0 - 5.1	0	0	0	0	0	1	1	n.a.	0	0
Tealbook percent range	2.4 - 2.5	3.2 - 3.3	3.6 - 3.7	3.6 - 3.7	4.6 - 4.7	4.8 - 4.9	4.6 - 4.7	4.6 - 4.7		

Note: Definitions of variables are in the general note to table 1.

Figure 2.B. Distribution of participants' projections for the unemployment rate, 2010-13 and over the longer run

Number of participants (except as noted)

Percent range	2010	2011	2012	2013	Longer Run
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	November projections	June projections								
5.0 - 5.1	0	0	0	0	0	0	0	n.a.	4	9
5.2 - 5.3	0	0	0	0	0	0	0	n.a.	7	5
5.4 - 5.5	0	0	0	0	0	0	0	n.a.	2	1
5.6 - 5.7	0	0	0	0	0	0	0	n.a.	0	0
5.8 - 5.9	0	0	0	0	0	0	1	n.a.	1	0
6.0 - 6.1	0	0	0	0	0	0	1	n.a.	3	1
6.2 - 6.3	0	0	0	0	0	0	0	n.a.	1	1
6.4 - 6.5	0	0	0	0	0	0	1	n.a.	0	0
6.6 - 6.7	0	0	0	0	0	0	0	n.a.	0	0
6.8 - 6.9	0	0	0	0	0	1	2	n.a.	0	0
7.0 - 7.1	0	0	0	0	2	6	7	n.a.	0	0
7.2 - 7.3	0	0	0	0	1	5	2	n.a.	0	0
7.4 - 7.5	0	0	0	0	0	3	2	n.a.	0	0
7.6 - 7.7	0	0	0	1	1	0	0	n.a.	0	0
7.8 - 7.9	0	0	0	0	2	2	2	n.a.	0	0
8.0 - 8.1	0	0	0	0	7	0	0	n.a.	0	0
8.2 - 8.3	0	0	2	3	2	0	0	n.a.	0	0
8.4 - 8.5	0	0	0	6	2	0	0	n.a.	0	0
8.6 - 8.7	0	0	0	6	1	0	0	n.a.	0	0
8.8 - 8.9	0	0	2	1	0	0	0	n.a.	0	0
9.0 - 9.1	0	1	12	0	0	0	0	n.a.	0	0
9.2 - 9.3	0	5	2	0	0	0	0	n.a.	0	0
9.4 - 9.5	4	8	0	0	0	0	0	n.a.	0	0
9.6 - 9.7	13	2	0	0	0	0	0	n.a.	0	0
9.8 - 9.9	1	1	0	0	0	0	0	n.a.	0	0
Tealbook percent range	9.6 - 9.7	9.4 - 9.5	9.0 - 9.1	8.6 - 8.7	7.8 - 7.9	7.0 - 7.1	7.0 - 7.1	5.8 - 5.9		

Note: Definitions of variables are in the general note to table 1.

Figure 2.C. Distribution of participants' projections for PCE inflation, 2010-13 and over the longer run

Number of participants (except as noted)

Percent range	2010		2011		2012		2013		Longer Run	
	November projections	June projections								
0.3 - 0.4	0	0	0	0	0	0	1	n.a.	0	0
0.5 - 0.6	0	0	0	0	1	1	0	n.a.	0	0
0.7 - 0.8	0	0	0	1	0	0	0	n.a.	0	0
0.9 - 1.0	0	9	3	2	1	3	0	n.a.	0	0
1.1 - 1.2	8	6	5	2	5	0	3	n.a.	0	0
1.3 - 1.4	9	0	5	7	2	2	4	n.a.	0	0
1.5 - 1.6	1	1	1	2	5	7	4	n.a.	4	3
1.7 - 1.8	0	1	2	0	1	2	1	n.a.	2	3
1.9 - 2.0	0	0	1	1	2	1	5	n.a.	12	11
2.1 - 2.2	0	0	1	0	1	1	0	n.a.	0	0
2.3 - 2.4	0	0	0	2	0	0	0	n.a.	0	0

Percent range	2010		2011		2012		2013		Longer Run	
	November projections	June projections								
Tealbook percent range	1.3 - 1.4	0.9 - 1.0	1.1 - 1.2	0.9 - 1.0	1.1 - 1.2	0.9 - 1.0	1.1 - 1.2	1.1 - 1.2	1.1 - 1.2	

Note: Definitions of variables are in the general note to table 1.

## Figure 2.D. Distribution of participants' projections for core PCE inflation, 2010-13

Number of participants (except as noted)

Percent range	2010		2011		2012		2013	
	November projections	June projections						
0.3 - 0.4	0	0	0	0	0	1	0	n.a.
0.5 - 0.6	0	0	0	1	1	0	1	n.a.
0.7 - 0.8	0	6	3	2	0	0	0	n.a.
0.9 - 1.0	11	8	6	4	5	3	1	n.a.
1.1 - 1.2	6	2	4	5	3	4	5	n.a.
1.3 - 1.4	1	0	1	2	2	4	3	n.a.
1.5 - 1.6	0	1	1	0	4	2	2	n.a.
1.7 - 1.8	0	0	2	0	1	1	1	n.a.
1.9 - 2.0	0	0	1	1	2	1	5	n.a.
2.1 - 2.2	0	0	0	1	0	1	0	n.a.
2.3 - 2.4	0	0	0	1	0	0	0	n.a.
Tealbook percent range	1.1 - 1.2	0.7 - 0.8	0.9 - 1.0	0.7 - 0.8	0.9 - 1.0	0.9 - 1.0	1.1 - 1.2	1.1 - 1.2

Note: Definitions of variables are in the general note to table 1.

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