## Inflation Persistence, the NAIRU, and the Great Recession

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## **Online Appendix**

## Data Series:

Price Deflators			
PPCE_LFE	Price deflator for personal consumption		
	expenditures less food and energy.		
PPCE	Price deflator for personal consumption		
	expenditures		
PGDP	Price deflator for GDP		
PNonPetImports	Price deflator for non-petroleum imports		
	(linked to the price deflator for imports		
	in 1967:Q1)		
Unemployment Rates			
u	Civilian unemployment rate, all workers = (number of unemployed)/(labor force)		
u<27	Civilian unemployment rate, workers unemployed less than 27 week =		
	(number of unemployed less than 27		
	weeks)/(labor force)		
Wage and Price Controls (Gordon (1982))			
Nix_on	$1(1971:Q3 \le t \le 1972:Q3) \times 0.8$		
Nix_off	$1(t = 1974:Q2) \times (-0.4)$		
	$+1(1974:Q3 \le t \le 1974:Q4) \times (-1.6)$		
	$+1(t = 175:Q1)\times(-0.4)$		

All inflation rates are computed as  $\pi_t = 400 \times \ln(P_t/P_{t-1})$ .

All data are from FRED except the price deflator for imports, which is from the NIPA tables available on the BEA website.

Estimates of the Phillips Curve:  $\hat{\eta}_t = \sum_{i=0}^4 \beta_i (u_{t-i} - \hat{\overline{u}}_{t-i}) + Controls + e_t$ 

## Where:

- $\hat{\eta}_t = \hat{\phi}_t(L)(1-L)\pi_t = \pi_t \tau_{t-1/t-1}$ , with  $\tau_{t-1/t-1}$  the estimate of the permanent component in the UCSV model (Stock and Watson (2007).
- $\hat{u}_i$  is a one-sided band-pass estimate of  $\bar{u}_i$  associated with periods greater than 60 quarters.

Estimates of 
$$\beta(1) = \sum_{i=0}^{4} \beta_i$$

Unemployment	1960:Q2-2013:Q3	1960:Q2-1983:Q4	1984:Q1-2013:Q3
Rate			
All workers	-0.20 (0.04)	-0.21 (0.06)	-0.19 (0.06)
Workers	-0.31 (0.08)	-0.32 (0.08)	-0.30 (0.14)
unemployed less			
than 27 weeks			

The regressions contain the following controls:  $Nix\_on_t$ ,  $Nix\_off_t$ ,  $\pi_t^{PCE} - \pi_t^{PCE\_LFE}$  (lags 1-4),  $1(t \ge 1984:Q1) \times (\pi_t^{PCE} - \pi_t^{PCE\_LFE})$  (lags 1-4), and  $\pi_t^{NonPetImports} - \pi_t^{GDP}$  (lags 0-4).