LIFO-PRO Software Usage Steps **Private Cloud (Software as a Service)** Link-Chain External Indexes (IPIC Method- CPI/PPI) LIFOPro Software & Turnkey Outsourcing Solutions

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Usage Steps Summary

Preparation

Inputs

Calculation & Reporting

- User prepares Excel file containing one or User creates data input sheet as follows: both of types of inventory report sheets:
 Required fields:
 - **Item detail report** exported as xlsx, .csv or .txt file(s) from accounting database; may include the following fields:
 - Product ID and/or item description
 - LIFO pool number*
 - Product hierarchy
 - Current period extended cost
 - BLS CPI or PPI code
 - **Product hierarchy listing** If BLS CPI or PPI codes are assigned by product category, class, fineline/line, group, or any other method than item by item
- 2. User assigns or populates BLS CPI or PPI categories to one or both of the following sheets if not already present

- Column A BLS CPI or PPI code
- Column B LIFO pool number (if applicable)
- Column B or C: Current period extended cost
- Formatting options:
 - Embedded item detail report sheet: required fields are inserted into leftmost columns of item detail report sheet & populated using formula references
 - Separate sheet, non-summarized: user populates required fields on an item-by item basis
 - Separate sheet, summarized: user populates required fields based on a unique list of CPI/PPI codes and/or
 LIFO pools

- User loads data input sheet Excel file into LIFO-PRO software
- Software completes LIFO calculation
- Inventory balances automatically assigned to LIFO pools by BLS category or LIFO pool # assignment
- Deleted, discontinued or recoded BLS categories automatically reassigned
- Current period LIFO calculation results automatically updated in software & stored in database file
- User can view, print or save reports as Excel/PDF files
- Calculation can be rolled back (unclosed) and forward while maintaining prior period data integrity
- §263AUNICAP costs integrated into reports using absorption ratio
- Interim estimates & ad-hoc projections completed in software as needed



*LIFO pool # field only required if the IPIC pooling method is not used and there is more than one LIFO pool; retail and cost balances required for retail LIFO users

Menu Layout: Company Selection Menu Screen

Exit System

- The Company Selection Menu Screen is where Users select their company's LIFOPro software database file folder that they'd like to access
- User accesses the LIFO-PRO software Main Menu screen by selecting with their mouse cursor the folder text label that contains a "-" dash & date on the end
- Date indicates the last period closed
- If no companies are listed in Company Selection Menu Screen, select the "Specify Top Level Data Path" command button to select the location of your LIFOPro software database files (see additional steps to navigate to software database file folder on next page) COMPANY SELECTION MENU - (Company Selection Menu

Specify Top Level Data Path Refresh Screen Combined Report 18 MF_DIS Index File Downloads Exit Program Help About Select Company from list below: Select Specify Top Level Data Path Command Button if your company's LIFOPro software data files are not listed in the Company Selection Menu Screen

Specify Top Level Data Path Refresh Screen Combined Report 18 MF DIS Index File Downloads Exit Program Help About Select Company from list below: Y LIFOPRO1 - Sample IPIC Calculation Access the main menu of the FirstYearOnLIFO - ABC CORPORATION - 12/31/2018 LIFOPro software by single-clicking - LPDataFiles the folder location listed with a - Double-Extension date on the end of it Book - ABC CORPORATION BOOK LIFO - 12/31/2019 Tax - ABC CORPORATION TAX LIFO - 12/31/2018 Link-Chain - ABCD CorporationConsolidatedExample Parent - ABCD CORPORATION - 12/31/2019 Subsidiary B - SUBSIDIARY B CORPORATION - 12/31/2019 Subsidiary C - SUBSIDIARY C CORPORATION - 12/31/2019 Subsidiary D - SUBSIDIARY D CORPORATION - 12/31/2019 Book - ABC CORPORATION BOOK LIFO - 12/31/2019 LIFOPro software database Tax - ABC CORPORATION TAX LIFO - 12/31/2019 file folder location

COMPANY SELECTION MENU - [Company Selection Menu]

Exit System

Menu Layout: System Information Update Screen

SVOTEM INFORMATION LIDDATE SOREEN

- The System Information Update Screen is used to select the location of your LIFOPro software database files
- User selects the appropriate drive location if not already selected by selecting the Drives drop-down menu box
- User navigates to & selects LIFOPro software database file folder by using the Directories tree listed on the bottom half of the screen (select by double-clicking on LIFOPro software database file folder name; the location of this folder will appear in the "Path Selected" text box once you have selected it)
- Select the "Use this Path" button located to the right of the Path Selected text box once you've selected your LIFOPro software database file folder

Let a second secon				
Help				
	Continue	Browse		
Data Drive and Directory(Top level): C:\LIFOPRO				
This tells LIFO-PRO the highest level at which drive and path to start seaching for LIFO	-PRO data files. Enter e.g. C:\LIFOPR	0	_	
Drive and Directories: Path selected:				3. Select the Use this Path button
	L_	Use this Path		(software will
Drive: C:	1. Select the Drive drop-do	•	e left side of the	automatically
Directorie 2 t: [\\192.168.99.69\Shared\External\ABC Mfg Co]	System Information Updat 2. Select the T drive (shoul			advance to the
	t: [\\192.168.99.69\Shared		panyName"])	Company Selection Menu Screen after
BLS Resources			punyrunic jj	selecting this
🦲 Software Data Files				button)

Menu Layout: Main Menu Screen

- Calculation & Input Screens Used for the following:
 - Internal Index Module: user loads item detail report with current quantities & current, prior/base period unit costs to calculate current year inflation index
 - IPIC Module (External Indexes aka CPI/PPI): user loads BLS CPI/PPI code(s), extended cost balances & pool number(s) (if applicable) to calculate current year inflation index
 - Inventory Balance(s) & Index(es) Input (Screen 3): user enters current-year cost balances & index values for LIFO calculations, estimates & projections
 - **Projection Report:** returns a range of LIFO expense (income) amounts based on a user-defined range of inventory balances & inflation (deflation) indexes
 - UNICAP Rates
- **Report Screens:** Shows LIFO calculation documentation in current period only, all periods, summary (all pools) & detail (single pool) format
- Settings Screens: for modifying company name shown in software & on reports, period labels, pools & pool names

构 wannem				- 0 > .8				
Specify Top Level Data Path Print Standard Reports Automatically Save Log File Exit Program Help About								
ABC Corporation				Exit Program				
Data Path = Y:LIFOPROTISAMPLE IPIC CALCULATION FirstYearOnLIFO\								
COMPANYSELECTION		CALCU	JLATIONS					
Select different company (Company Selection Menu)			Internal Index Module					
HISTORICAL DATAREPORTS(12/31/2017 to 12/31/2018)	MEN LINICAD		IPIC Module (PPI or CPI)					
Report 16-All years, by pool	With UNICAP		Enter Values For 12/31/2019 (Screen 3)	9 (Screen 3)				
Report 16a-All years, by pool	With UNICAP With UNICAP							
Report 17-All years, by pool		Projection Report 1-Range of Inv. Levels and Indexes, o	ne pool					
Report 18-All pools, by year	With UNICAP							
Report 18a-All pools, by year	With UNICAP	YEAR	END CLOSE or UNCLOSE (12/31/2018 is the last year closed now)					
Report 18c-Consolidated Companies	With UNICAP	Close 12/31/2019 Unclose 12/31/2018						
Report 19-LIFO Provision Components	Consol Rpt 19							
Report IS-All years, by pool		-IPIC Se						
Reports 23 and 24-IPIC Index Calculation Reports			end month: December					
Input/Edit Historical Data		C/Y an	nd PYY Appropriate month: December	iteri ing itangkata				
COMPANY SETUP INFORMATION		108	4					
Company Setup, Methods Settings, Pools and Periods		10% m	10% method used?: No Versi 6.03					
UNICAP (Sec. 263A) Rates		Grand total of last yr. closed(12/31/2018) LIFO Reserve \$7,347,905 6/30/20/20						
		Auto Pl	PPI/CPI Files Download = Enabled					
Calculation & Input Screens Report Screens Sett	tings Screens	Y:\BLS	ixel input file loaded and sheet name: 6-CorporateFiles)Corporate/Resources_White_Papers)Software(Item Detail nput Sheet TemplateWLIFOPools.xlsx					

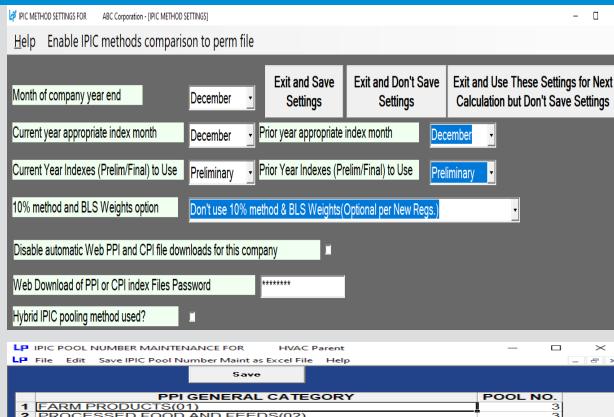
Menu Layout: IPIC Menu Screen

- Calculation & Input Buttons
 - Load Last Excel Data Input File used to load same excel file used for the prior period calculation
 - Load Different Excel Data Input File- used to load a different excel file than what was used for the prior period calculation
 - Yellow/orange buttons used to make interim estimate or projection using the latest BLS inflation indexes available shown on the right side of screen & inventory balances/BLS category assignments from a previously ran IPIC calculation
- **Report Button:** shows the following IPIC calculations:
 - All prior periods calculated & closed in the software
 - Last calculation ran that was not closed (if applicable)
- Settings Buttons: adjust IPIC submethods, including:
 - Year end month
 - Current & prior period appropriate month
 - Preliminary or final indexes
 - 10% method or most-detailed category method
 - Pool number assignments by BLS Major Expenditure
 - Category (CPI) or 2-digit Commodity Group (PPI)

	a Path Help Save	LOG FILE					
Load Inventory balance		List of CPI and PPI files available:					
Load Last EXCEL	Load Different	Use 12/2018 Year	Load Different		А	B C	
Data Input File	EXCEL Data Input File	end Report 23 for Projection	Report 23 for Projection		1 File Name	Earliest Period	Latest Period
					2 C:\LIFOPRO\bls\		
			104		3 indx2020.cpi	Jan2020	May2020
VIEW PRE	VIOUSLY CALCULATE	ED IPIC REPORTS 23	and 24		4 indx2019.cpi	Jan2019	Dec2019
				-	5 indx2018.cpi	Jan2018	Dec2018
	IPIC METHODS	SETTINGS		-	6 blswts.cpi	1997	2018
					7 catname.cpi		
IPIC PO	OLING METHOD POOL	NUMBER ASSIGNME	NTS		8 indx2020.ppi	Jan2020	May2020
					9 indx2019.ppi	Jan2019	Dec2019
	RETURN TO N	IAIN MENU			10 indx2018.ppi 11 blswts.ppi	Jan2018 2000	Dec2018 2018
		12 catname.ppi	2000	2018			
					13 SCHEDULE OF FUT	LIRE CPL & PP	I FILES RELEAS
Calculat		L4 MONTH	PPI	CPI			
		15 December 2018	1-15-2019				
Report	Screens				L6 January 2019	2-14-2019	2-13-2019
Cotting	Caroona				17 February 2019	3-13-2019	3-2-2019
Setting	s Screens			-	L8 March 2019	4-11-2019	4-10-2019
	/PPI Dates Avai	lahle			19 April 2019	5-9-2019	5-10-2019
					20 May 2019	6-11-2019	6-12-2019
BLS CPL	/PPI Release Scl	hedule			21 June 2019	7-12-2019	7-11-2019
	TTT Release set	leadie			22 July 2019	8-9-2019	8-13-2019
					23 August 2019	9-11-2019	9-12-2019
					24 September2019		10-10-2019
					25 October 2019		9 11-13-2019
					26 November 2019		9 12-11-2019
					27 December 2019		1-14-2020
st Excel Input File Load	ed:				28 January 2020		2-13-2020
BLS-CorporateFiles\Corporate	Resources_White_Papers\Soft	ware\ltem Detail Data Input She	et TemplateWLIFOPools.xlsx		29 February 2020		3-11-2020
					30 March 2020		4-10-2020
rogram file path= C:\LIF0					31 April 2020 32 May 2020		5-12-2020 6-10-2020
ogram file path= C:\LIFC	JPRO				32 May 2020 33 June 2020		7-14-2020
urrent directory= C:\LIFC					34 July 2020		8-12-2020
urrent directory– C.ILIPC	JERO				35 August 2020		9-11-2020
op level data file path= Y		IC CALCULATION			36 September2020		0 10-13-2020
					37 October 2020		0 11-12-2020
1		ALCULATION\FirstYear			8 November 2020	12-11-2020	0 12-10-2020

Menu Layout: IPIC Settings Screens

- IPIC Methods Settings Screen:
 - Company Year End Month
 - Current Year Appropriate Index Month: numerator
 - Prior Year Appropriate Index Month: denominator
 - Final or Preliminary Current & Prior Year Indexes
 - 10% Method & BLS Weights Option:
 - Don't Use 10% Method most detailed category
 - Use 10% Method & BLS Weights will be used for all LIFO pools
 - Use 10% Method for Pools Specified Below for companies with a mix of most detailed category & 10% method pools
 - **CPI/PPI Web Download Password** allows for all BLS CPI & PPI files required for IPIC calculations to be automatically downloaded
- IPIC Pooling Method Settings Screen: allows the LIFOPro software to automatically assign LIFO pools based on BLS CPI/PPI codes & inventory balances read in from data input sheet. Used to assign pool numbers by BLS CPI or PPI major commodity or expenditure groups

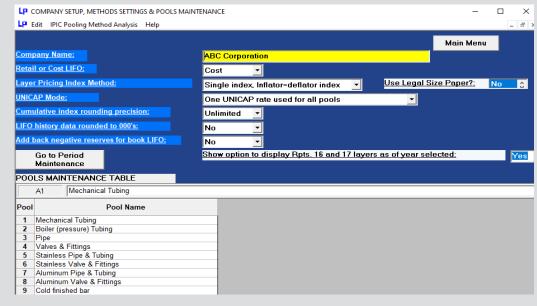


	PPI GENERAL CATEGORY	POOL NO.
1	FARM PRODUCTS(01)	3
2	PROCESSED FOOD AND FEEDS(02)	3
3	TEXTILE PRODUCTS AND APPAREL(03)	3
4	HIDES, SKIN, SKIN, LEATHER & RELATED APPAREL(04)	3
5	FUELS & RELATED PRODUCTS & POWER(05)	3
6	CHEMICALS & ALLIED PRODUCTS(06)	1
7	RUBBER & PLASTICS PRODUCTS(07)	3
8	LUMBER & WOOD PRODUCTS(08)	3
9	PULP, PAPER & ALLIED PRODUCTS(09)	3
10	METALS & METAL PRODUCTS(10)	2
11	MACHINERY & EQUIPMENT(11)	3
12	FURNITURE & HOUSEHOLD DURABLES(12)	3
13	NONMETALLIC MINERAL PRODUCTS(13)	3
14	TRANSPORTATION EQUIPMENT(14)	3
15	MISCELLANEOUS PRODUCTS(15)	3
	▶ \ CPI 人 Old(Pre 1998) CPI 入 PPI /	

Pool numbers should be entered in the Pool No. column.

Menu Layout: Company Settings Screen

- Company Name
- Retail or Cost LIFO
- Layer Pricing Index Method:
 - Single Index (Default setting)
 - Dual Indexes
- UNICAP Mode: enabled for companies wanting reports that include §263A UNICAP costs & use either methods:
 - Simplified production method
 - Historical absorption ratio
- Cumulative Index Rounding Precision: Default setting is unlimited
- LIFO History Data Rounded to 000's
- Add Back Negative Reserves for Book LIFO Default is no; zeroes out debit balance LIFO reserve balance & forces LIFO inventory balance to equal current-year cost
- **Pool Maintenance Table** Sets the number of LIFO pools & pool names/labels displayed on all LIFO-PRO reports
- **Periods Maintenance Table** Sets the base period & period labels for each pool



	o to Pool iintenance	Show option to display Rpts. 16 and 17 layers as of year selected: Double Click on the Pool Number Columns to specify original base years the second									
PERIOD	S MAINTENAN	CE .	TA	BLE	Ξ						<u>Double Click on the Period Label Column to select date from Calendar</u>
A10	12/31/2019		_	_	_	_					
Period	Period Labels	1	2	3	4	5	6	7	8	9	
1	6/30/2011										
2	12/31/2011										
3	12/31/2012										
4	12/31/2013										
5	12/31/2014										
6	12/31/2015										
7	12/31/2016										
8	12/31/2017										
9 *	12/31/2018										
10	12/31/2019	1									
11	3/30/2020										
12	12/31/2021										
13	12/31/2022										
14	12/31/2023										
15	12/31/2024										
16	12/31/2025										
17	12/31/2026										
18	12/31/2027										
19	12/31/2028										
20	12/31/2029										
21	12/31/2030										
22	12/31/2031										
23	12/31/2032										
* Last	period closed	C	he	ckı	ma	rks	in l	Por	ol n	0. C	columns indicate base period



Menu Layout: IPIC Data Input Screen

- Calculation Sheet: used to load inventory balances and BLS CPI/PPI categories into the LIFOPro software
- Grand Total Check Box: verifies that the grand total balance cell selected by user equals the balance used to complete the LIFO calculation; warning message appears if the two amounts don't tie
- Lookup Category Names: looks up corresponding BLS category/commodity description for CPI/PPI codes entered in Column A; useful tool for ensuring all source data file codes are valid prior to completing calculation
- Required Input Fields:
 - Row 2: Cell A2 must contain month & year end
 - Columns (starting on row 8)
 - IPIC Pooling Method:
 - Column A: BLS category number
 - Column B: Period end inventory balance*
 - Non-IPIC Pooling Method Users with >1 Pool:
 - Column A: BLS category number
 - Column B: LIFO pool number
 - Column C: Period end inventory balance*

IPIC DATA INPUT SCREEN FOR HVAC Parent

File Edit Insert Delete Save IPIC Data Input Sheet as Excel File Help

LP

÷ A3 Zoom % 75 Last year closed:12/31/2017 Next year to be closed: 12/31/201 Load Data Input Sheet for: HVAC Equip. & Supplies Wholesaler Different File 2 For the year ended: December, 2018 Save File Start PIC Index Calculation Year End (Using this data sheet) **BLS Category** Inventory Number **BLS Category Description** Balance 8 067903 575,770 ~~Industrial gases Click Check 114807 10,340,642 ~~Heat transfer equipment, including heat pumps Box on righ 1066 4,377,407 ~~ Domestic water heaters to enable 1392 988,089 ~~Insulation materials Total check 2 1063 3,460,332 Other heating equipment, non-electric, including parts See below 3 1061 4,373,695 ~~Steam and hot water equipment 7,133,207 ~~ Air conditioning and refrigeration equip 14 1148 Exit 5 1062 4,074,192 Furnaces and heaters, including parts 16 1141 1,468,093 ~~Pumps, compressors, and equipment Print 1072 414,588 ~~Metal tanks 8 1181 2,856,794 Automatic environmental controls for monitoring residential, commercial, and appliance use Lookup Category g 1132 975,047 ~~ Power-driven handtools, including parts and attachments Names 20 107411 1,896,199 Fabricated metal pipe, tube, and fittings 1 1173 231,138 ~~Motors, generators, motor generator sets OTE: Select 2 10730120 2,231,638 Sheet metal air-conditioning ducts and stove pipe and total ce 3 10250239 1,132,817 Copper and copper-base alloy pipe and tube fore clickin Start IPIC 24 07210603 984,362 ~~Plastics pipe Index 25 114806 99,843 All other miscellaneous refrigeration and air-conditioning equipment Calculation 6 105 1,411,370 ~~ Plumbing fixtures and fittings command 27 118 413,048 ~~ Miscellaneous instruments outton above to provide 28 11480734 415,113 Heat pumps warning 29 124104 194,845 ~~Other major household appliances including room air-conditioners message if 30 07210605 474,115 Plastics plumbing fixtures and total ce 1 067 350,315 ~~Other chemicals and allied products 32 0916 170,425 Pressure-sensitive products 33 114809 646,683 Parts and accessories for air conditioning and heat transfer equipment 235.298 ~~Heating equipment 34 106 I DataInputSheet Comp_Table9_List_ThruAug2018 File path and name:Y:\LIFOPRO1\SAMPLE_HVAC_WHOLESALER\0DataInputSheet|Sample_HVAC_DIS_2018YE.xlsx



*Retail LIFO users enter retail/cost balances in rows B & C or C & D depending on pooling method used

Menu Layout: Data Input Screen for Estimates & Projections

- Used for interim LIFO estimates or ad-hoc projections. Examples include the following:
 - High-level estimate: using projected inventory balances & inflation rates; user enters these amounts into orange or blue highlighted cells (orange = Version 6 or later; blue = Version 5.4.14 or earlier)
 - **Mid-level:** Using a combination of the following inputs:
 - Prior period product mix using software's XLP file by pressing the yellow projection button in the IPIC menu screen
 - Current period BLS inflation indexes populated after completing calculation automatically in software
 - Current period inventory balances entered by selecting Go to Screen 3 button in IPIC reports menu after completing IPIC calculation; balances are entered into current-year cost field shown to the right

I File Edit Save Report 3 as Excel File	Global Var H	lala								-
File Edit Save Report 3 as Excel File		leip		_				_	-	
om % 85 🕂 D7 🔍 28	868821.46		Load Different	File Print (Close 12/31/2019	Exit and Sav		d		
ABC Corporation					9/1/2019 11	L:56:18 AM				
DATA INPUT FOR 12/31/2019 LIF	O CALCULATI	ONS LIF	D-PRO Report	t3						
DATA FILE NAME:Y:\LIFOPRO1\Sam	ple Internal In	dex Calculation	h\OnLIFO\LPD	ataFiles\LinkC	hain\act12_2	9.prn		Breakdown of LIFO E	kpense (Income) (Components
									Layer	Total
	C/Y COST	C/Y COST	INDEX	INDEX	LIFO	LIFO	LIFO	Inflation	Erosion	LIFO
POOL	12/31/2018	12/31/2019	12/31/2018	12/31/2019	EXPENSE	RESERVE	INVENTORY	Effect	Effect	Expense
1 Mechanical Tubing	29,669,116	28,868,821	1.233787	1.093426	2,466,585	4,711,912	24,156,910 E	2,771,868	-305,283	2,466,58
2 Boiler (pressure) Tubing	624,203	529,677	1.171420	1.165107	49,597	143,323	386,355 E	103,060	-53,464	49,59
3 Pipe	5,652,128	6,160,901	1.124108	1.020803	117,582	389,997	5,770,904	117,582		117,58
4 Valves & Fittings	3,172,199	3,013,266	1.106021	1.177518	370,607	803,401	2,209,865 E	563,122	-192,515	370,60
5 Stainless Pipe & Tubing	10,411,352	10,412,941	1.255651	.901926	-1,021,083	-1,207,008	11,619,950	-1,021,083		-1,021,08
6 Stainless Valve & Fittings	546,307	546,679	1.212152	1.084893	41,632	87,181	459,498 E	46,378	-4,746	41,63
7 Aluminum Pipe & Tubing	1,002,199	1,288,541	.999161	1.029224	29,288	-95,262	1,383,803	29,288		29,28
8 Aluminum Valve & Fittings	25,620	18,278	.924900	1.155065	2,716	293	17,985 E	3,973	-1,257	2,71
9 Cold finished bar	3,076,310	3,022,496	1.236762	.962924	-114,057	-158,316	3,180,812	-114,057		-114,05
TOTALS OR WTD AVG	54,179,434	53,861,602	1.211074	1.037658	1,942,866	4,675,520	49,186,082	2,500,131	-557,265	1,942,86
E-Layer erosion occurs for this pool.										

Calculate Command Button

Preparation

User exports item detail report and/or product hierarchy list from accounting database to xlsx, csv or txt file

Item Detail Report Exported From Accounting Database

Product Hierarchy Listing

F19	403	•	>	<i>√ f</i> _* =SUM(F2:	F19401)	
1	А	в	С	D	E	F
1	Product #		Ton Grp #	Tonnage Group Name	Product Description	Current Period Extended Cost
19388	TC7581	-	510	1000 Series Cold Finished Rour	1.500 Round Cd 1045 Cs Bar Astm A108 G&P X	-
19389	TC7632	9	580	Hot Roll Bar	4 X 3-1/2 X 1/2 Hot Roll Angle Astm A36 X 20' F	551
19390	TC7633	9	580	Hot Roll Bar	3-1/2 X 2-1/2 X 1/2 A36 Hr Angle	-
19391	TC7636	_		Hot Roll Bar	12 X 20.7 Hr Channel A36 X 20'	473
19392	TC7654	9	510	1000 Series Cold Finished Rour	2.875 Round Cd 1045 Cs Bar Astm A108 12'	355
19393	TC7656	9	069	Aluminized Electric Weld Tubir	3/4" Od X 18Ga Alum T1-25 1006/1008 Ew Tube	-
19394	TC7684	9	580	Hot Roll Bar	4 X 4 X 1/4Wa Hot Roll Angle Astm A36 X 40' R	1,872
19395	TC7685	9	580	Hot Roll Bar	3/16 X 2-1/2 Hr A36 Flat Bar X 20'	-
19396	TC7711	9	510	1000 Series Cold Finished Rour	.500 Round G&P 1045 Cs Bar A108 X 20'R/L	-
19397	TC7712	9	515	1100 Series Cold Finished Rour	.625 Round Cd G&P 1141 Cs Bar A108 X 20' R/L	223
19398	TC7713	9	515	1100 Series Cold Finished Rour	.500 Round Cd G&P 1141 Cs Bar A108 X 20' R/L	-
19399	TC7715	9	545	Carbon And Alloy Cold Finished	.375 X 2.000 Flat Cd 1018 Cs Bar Astm A108 X 9	245
19400	TC7716	9	580	Hot Roll Bar	C9 X 13.4# Hot Roll Channel Astm A36 X 40' R/	446
19401	TC7718	9	510	1000 Series Cold Finished Rour	3.125 Rd Cd 1045 Cs Bar Astm A108 X 20' R/L	334
19402						
19403				201	9 Year End Grand Total Average Cost Balance	52,051,246
19404						
-	•	lte	m De	etail Export 2018YE Prod	uct Hierarchy 2018YE Item Detail W P	PI Codes 201

C	179	.	\times	\checkmark	f_{x}	=S	UM(C2:C170)				
1	Α				в			С			
1	Tonnage Group #		Ending Inventory Tonnage Group Name Balance								
164	892	Import Sta	ainless	Steel F	Flange	5		183,743			
165	893	Import Fs	Flange	s - Carl	oon			146,865			
166	894	Import Ma	allebale	e Ci Fit	tings			185,498			
167	895	Import W	eld Fitti	ngs - C	arbon			179,167			
168	896	Import Ca	rbon Ni	pples				56,895			
169	897	Import 15	mport 150# Stainless Steel Scrd Fittings 69,971								
170	898	Import Sta	ainless	Steel I	Vipple:	5		125			
171	900	Aluminun	n Extrud	ed Sea	mless	Tube		55,553			
172	901	Aluminun	n Drawn	Seam	less Tu	ıbe		63,905			
173	902	Aluminun	n Drawn	Porth	ole Tub)e		132,453			
174	903	Aluminun	n Bar An	gle-Fla	at-Chai	nnel		191,737			
175	904	Aluminun	n Bar Ro	und A	nd Hex			127,860			
176	905	Aluminun	n Extrud	ed Pro	files			9,244			
177	906	Aluminun	n Sheet	And PI	ate			6,338			
178											
179		Sheet Tot	al					52,051,246			
180											
181											
	• •	Iter	n Detai	l Expo	rt 201	8YE	Product Hiera	archy 2018YE			

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Preparation

User assigns/populates BLS categories to item detail report or product hierarchy listing if not already present

Item Detail Report With BLS Category Assignments

Product Hierarchy With BLS category Assignments

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BLS PPI Category Description

Metal pipe fittings, flanges, and unions Metal pipe fittings, flanges, and unions ~~Pressure and soil pipe & fittings, cast iron Metal pipe fittings, flanges, and unions Aluminum extruded and drawn pipe and tube Aluminum extruded and drawn pipe and tube Extruded aluminum rod, bar, and other extruded shapes Extruded aluminum rod, bar, and other extruded shapes

Aluminum sheet and strip

F19	403	• :)	× √ f _x =SUM(F2:	F19401)				С	179	• : $\times \checkmark f_x$ =SUM	I(C2:C170)	
	Α	B C	D	E	F	G	Н		А	В	С	D
1	Product #	LIFO Ton Pool Grp # #		Product Description	Current Period Extended Cost	BLS PPI Code	PPI Category Description	1	Tonnage Group # 891	Tonnage Group Name Sanitary Ss Od Fittings	Ending Inventory Balance 6 791	BLS PPI Code 114903
19388	TC7581	9 510		1.500 Round Cd 1045 Cs Bar Astm A108 G&P X 1		101708	~~Cold finished steel bars and bar shapes		892	Import Stainless Steel Flanges	183,743	
19389				4 X 3-1/2 X 1/2 Hot Roll Angle Astm A36 X 20' F	551	101704	~~Hot rolled steel bars, plates, & structural shapes	165	893	Import Fs Flanges - Carbon	146,865	101502
19390	TC7633	9 580		3-1/2 X 2-1/2 X 1/2 A36 Hr Angle		101704	~~Hot rolled steel bars, plates, & structural shapes		894	Import Mallebale Ci Fittings	185,498	101502
19391	TC7636	9 580	Hot Roll Bar	12 X 20.7 Hr Channel A36 X 20'	473	101704	~~Hot rolled steel bars, plates, & structural shapes		895	Import Weld Fittings - Carbon	179,167	101502
19392	TC7654	9 510	1000 Series Cold Finished Rour	2.875 Round Cd 1045 Cs Bar Astm A108 12'	355	101708	~~Cold finished steel bars and bar shapes		896	Import Carbon Nipples		101502
19393	TC7656	9 069	Aluminized Electric Weld Tubin	3/4" Od X 18Ga Alum T1-25 1006/1008 Ew Tube		101706	~~Steel pipe and tube		897	Import 150# Stainless Steel Scrd Fitting		101502
19394	TC7684	9 580	Hot Roll Bar	4 X 4 X 1/4Wa Hot Roll Angle Astm A36 X 40' R	1,872	101704	~~Hot rolled steel bars, plates, & structural shapes		898	Import Stainless Steel Nipples		114903
19395	TC7685	9 580	Hot Roll Bar	3/16 X 2-1/2 Hr A36 Flat Bar X 20'		101704	~~Hot rolled steel bars, plates, & structural shapes		900	Aluminum Extruded Seamless Tube		10250163
19396	TC7711	9 510	1000 Series Cold Finished Rour	.500 Round G&P 1045 Cs Bar A108 X 20'R/L		101708	~~Cold finished steel bars and bar shapes		901	Aluminum Drawn Seamless Tube		10250163
19397	TC7712	9 515	1100 Series Cold Finished Rour	.625 Round Cd G&P 1141 Cs Bar A108 X 20' R/L	223	101708	~~Cold finished steel bars and bar shapes		902	Aluminum Drawn Porthole Tube		10250163
19398	TC7713	9 515	1100 Series Cold Finished Rour	.500 Round Cd G&P 1141 Cs Bar A108 X 20' R/L		101708	~~Cold finished steel bars and bar shapes		903	Aluminum Bar Angle-Flat-Channel	,	10250162
19399	TC7715	9 545	Carbon And Alloy Cold Finished	.375 X 2.000 Flat Cd 1018 Cs Bar Astm A108 X 9	245	101708	~~Cold finished steel bars and bar shapes		904	Aluminum Bar Round And Hex	,	10250162
19400	TC7716	9 580	Hot Roll Bar	C9 X 13.4# Hot Roll Channel Astm A36 X 40' R/	446	101704	~~Hot rolled steel bars, plates, & structural shapes		905	Aluminum Extruded Profiles	,	10250162
19401	TC7718	9 510	1000 Series Cold Finished Rour	3.125 Rd Cd 1045 Cs Bar Astm A108 X 20' R/L	334	101708	~~Cold finished steel bars and bar shapes	1// 178	906	Aluminum Sheet And Plate	0,558	10250105
19402								170		Sheet Total	52 051 246	
19403			201	8 Year End Grand Total Average Cost Balance	52,051,246			1/9			52,051,246	
40404								100			- 1	1
-	•	ltem D	etail W PPI Codes 2018YE	Product Hierarchy w PPI 2018YE Da	ta Input She	et 2018YE	DISItem Detail W PPI Codes 2018 Item		• •	Item Detail Export 2018YE	Product Hierard	thy 2018YE

Item Detail W PPI Codes 2018YE Product Hierarchy w PPI 2018YE

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Inputs: Data Input Sheet Format

- User prepares data input sheet Excel file that will be loaded into the LIFOPro software to complete calculation
- Must be organized as & include the fields listed below based on LIFO submethods being used:

Cost LIFO Data Input Sheet Specs

Data Input Sheet Specs Cost LIFO & IPIC Pooling Method or Single Pool Cell, Row or Column									
Field Name	Location	Comments							
Period End Date	A2	Date must be in MM/DD/YYYY format							
		Should be formatted as text to preserve							
BLS CPI or PPI code	A8 & below	leading "0" zeroes							
Extended Cost Balance	B8 & below								
		Optional; used to validate BLS CPI or PPI							
BLS Category Description	C8 & below	code accuracy							

Data Input Sheet Specs Cost LIFO, Non-IPIC Pooling Method & Multiple Pools Cell, Row or Column									
Field Name	Location	Comments							
Period End Date	A2	Date must be in MM/DD/YYYY format							
		Should be formatted as text to preserve							
BLS CPI or PPI code	A8 & below	leading "0" zeroes							
LIFO Pool #	B8 & below								
Extended Cost Balance	C8 & below								
		Optional; used to validate BLS CPI or PPI							
BLS Category Description	D8 & below	code accuracy							

Retail LIFO Data Input Sheet Specs

Data Input Sheet Specs Retail LIFO & IPIC Pooling Method or Single Pool Cell, Row or Column					
Field Name	Location	Comments			
Period End Date	A2	Date must be in MM/DD/YYYY format			
		Should be formatted as text to preserve			
BLS CPI or PPI code	A8 & below	leading "0" zeroes			
Extended Retail Balance	B8 & below				
Extended Cost Balance	C8 & below				
		Optional; used to validate BLS CPI or PPI			
BLS Category Description	D8 & below	code accuracy			

Data Input Sheet Specs Retail LIFO, Non-IPIC Pooling Method & Multiple Pools Cell, Row or Column				
Field Name	Location	Comments		
Period End Date	A2	Date must be in MM/DD/YYYY format		
		Should be formatted as text to preserve		
BLS CPI or PPI code	A8 & below	leading "0" zeroes		
LIFO Pool #	B8 & below			
Extended Retail Balance	C8 & below			
Extended Cost Balance	D8 & below			
		Optional; used to validate BLS CPI or PPI		
BLS Category Description	E8 & below	code accuracy		

Inputs: Cost LIFO Data Input Sheet Format

IPIC Pooling Method or Single LIFO Pool

	А	В	С	D
1	DATA INPUT	SHEET FOR: IN	ISERT COMPANY NAME HERE	< Optional
2	FOR THE YEA	AR ENDED: MM	< Date must be MM/DD/YYYY format	
3				
4				
5				
	Must be			
	formatted	Can be either		
	as text to	a value or a	Optional; use LIFOPro's Complete Table 9 PPI	
	ensure that	formula	Code List Excel file or CPI Category Lookup	
	all leading	reference to	sheet to populate category descriptions (or	
	"0"s are	another	use BLS category lookup button in LIFOPro	
6	preserved	spreadsheet	software data input screen)	
		EXTENDED		
	BLS CPI/PPI	COST		
7	CODE	BALANCE	BLS CATEGORY DESCRIPTION	
				< BLS CPI/PPI Code & Extended Cost
				Balances must be entered starting at row 8; all
_		(17.000	T 14 1 1	codes & balances entered above row 8 WILL
	06220209		Titanium pigments	NOT BE READ!!
	094702		~~Label and wrapper printing for packaging	h dle real
	067201051		Disinfectants, nonagricultural, industrial and instit	tutional
	062101 0622		Architectural coatings	
			~~Paint materials	an denstry and the Parameter
	06140399B		Miscellaneous end use chemicals and chemical p	
14 15	072B01015	/80,04/	Consumer/institutional/commercial fabricated pl	astics products
10			<optional. a="" data="" include="" input<="" of="" sum="" td="" the=""><td></td></optional.>	
			sheet's extended cost balances below the last	
			CPI/PPI code row to enable the LIFOPro	
16	Grand Total	1 041 105	software's Total Check feature	
10	Granu Total	4,704,473	Soltware's Total Check leature	

Non-IPIC Pooling Method & Multiple LIFO Pools

	А	В	С	D	E
1	DATA INPUT	SHEET FC	DR: INSERT CO	MPANY NAME HERE	< Optional
2	FOR THE YE	AR ENDED): 12/31/2019		< Date must be MM/DD/YYYY format
3					
4					
5					
	Must be				
	formatted	Non IPIC	Can be either		
	as text to	Pooling	a value or a	Optional; use LIFOPro's Complete Table 9 PPI	
	ensure that	Method	formula	Code List Excel file or CPI Category Lookup	
	all leading	& >1	reference to	sheet to populate category descriptions (or	
	"0"s are	LIFO	another	use BLS category lookup button in LIFOPro	
6	preserved	Pool	spreadsheet	software data input screen)	
			EXTENDED		
	BLS CPI/PPI	LIFO	COST		
7	CODE	POOL #	BALANCE	BLS CATEGORY DESCRIPTION	
					< BLS CPI/PPI Code & Extended Cost
					Balances must be entered starting at row 8; all
					codes & balances entered above row 8 WILL
_	06220209	1		Titanium pigments	NOT BE READ!!
-		2	1,064,569		
		1		Disinfectants, nonagricultural, industrial and instit	tutional
	062101	1		Architectural coatings	
		1	819,227		
		1		Miscellaneous end use chemicals and chemical p	
	072B01015	3	780,647	Consumer/institutional/commercial fabricated pl	astics products
15					
				<optional. a="" data="" include="" input<="" of="" sum="" td="" the=""><td></td></optional.>	
				sheet's extended cost balances below the last	
				CPI/PPI code row to enable the LIFOPro	
16	Grand Total		4,964,495	software's Total Check feature	

Inputs: Retail LIFO Data Input Sheet Format

IPIC Pooling Method or Single LIFO Pool

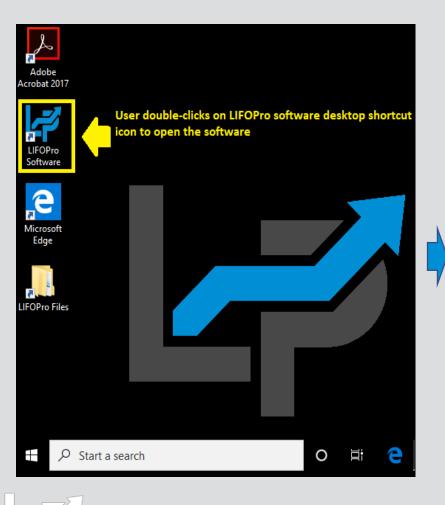
	А	В	С	D	E
1	DATA INPUT	SHEET FOR: I	NSERT COMPA	NY NAME HERE	< Optional
2	FOR THE YE	AR ENDED: 12	2/31/2019		< Date must be MM/DD/YYYY format
3					
4					
5					
	Must be	Can be			
	formatted	either a	Can be either		
	as text to	value or a	a value or a	Optional; use LIFOPro's Complete Table 9 PPI	
	ensure that	formula	formula	Code List Excel file or CPI Category Lookup	
	all leading	reference to	reference to	sheet to populate category descriptions (or	
	"0"s are	another	another	use BLS category lookup button in LIFOPro	
6	preserved	spreadsheet	spreadsheet	software data input screen)	
		EXTENDED	EXTENDED		
	BLS CPI/PPI	RETAIL	COST		
7	CODE	BALANCE	BALANCE	BLS CATEGORY DESCRIPTION	
					< BLS CPI/PPI Code & Extended Cost
					Balances must be entered starting at row 8; a
					codes & balances entered above row 8 WILL
	06220209	888,294		Titanium pigments	NOT BE READ!!
	094702	1,415,877		~~Label and wrapper printing for packaging	
	067201051	801,603		Disinfectants, nonagricultural, industrial and insti	tutional
	062101	597,162		Architectural coatings	
	0622	1,089,572		~~Paint materials	
	06140399B	772,010		Miscellaneous end use chemicals and chemical p	· · · · · · · · · · · · · · · · · · ·
	072B01015	1,038,261	780,647	Consumer/institutional/commercial fabricated pl	astics products
15					
				<optional. a="" data="" include="" input<="" of="" sum="" td="" the=""><td></td></optional.>	
				sheet's extended cost balances below the last	
				CPI/PPI code row to enable the LIFOPro	
16	Grand Total	6,602,778	4,964,495	software's Total Check feature	

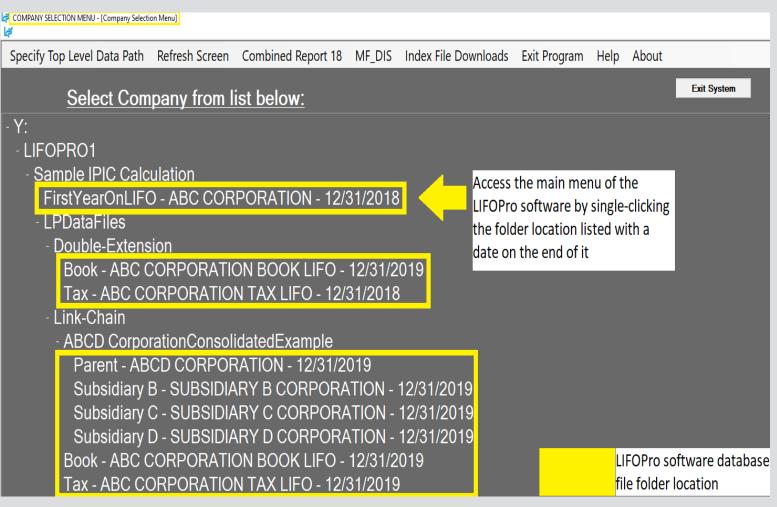
Non-IPIC Pooling Method & Multiple LIFO Pools

	А	В	С	D	E	F
1	DATA INPUT	SHEET FC	DR: INSERT CO	OMPANY NAM	E HERE	< Optional
	For the ye	AR ENDED): 12/31/2019)		< Date must be MM/DD/YYYY format
3						
4						
5						
	Must be		Can be			
	formatted	Non IPIC	either a	Can be either		
	as text to	Pooling	value or a	a value or a	Optional; use LIFOPro's Complete Table 9 PPI	
	ensure that	Method	formula	formula	Code List Excel file or CPI Category Lookup	
	all leading	& >1	reference to		sheet to populate category descriptions (or	
	"0"s are	LIFO	another	another	use BLS category lookup button in LIFOPro	
6	preserved	Pool	spreadsheet	spreadsheet	software data input screen)	
			EXTENDED	EXTENDED		
	BLS CPI/PPI	LIFO	RETAIL	COST		
7	CODE	POOL #	BALANCE	BALANCE	BLS CATEGORY DESCRIPTION	
	·					< BLS CPI/PPI Code & Extended Cost
						Balances must be entered starting at row 8; all
						codes & balances entered above row 8 WILL
_	06220209	1	888,294		Titanium pigments	NOT BE READ!!
_	_	2	1,415,877		~~Label and wrapper printing for packaging	
		1	801,603		Disinfectants, nonagricultural, industrial and insti	tutional
_	062101	1	597,162		Architectural coatings	
		1	1,089,572		~~Paint materials	and a data and a Para and
	06140399B	1	772,010		Miscellaneous end use chemicals and chemical p	
_	072B01015	3	1,038,261	/80,64/	Consumer/institutional/commercial fabricated pl	astics products
15			Ctrl) 🔻		A disart ladada a sur atticated in the	
					<optional. a="" data="" include="" input<="" of="" sum="" td="" the=""><td></td></optional.>	
					sheet's extended cost balances below the last	
	6		((00 770	10/1/05	CPI/PPI code row to enable the LIFOPro	
16	Grand Total		6,602,778	4,964,495	software's Total Check feature	

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- The LIFOPro Software can be accessed by selecting the blue LP desktop or taskbar icon on your VM
- Upon opening the software, the company selection menu will appear listing the folder location(s) of your LIFOPro software data files (folder paths with a date on the end are those with LIFOPro software data files)





• If the Company Selection Menu Screen does not show your Company's LIFOPro software data folder, Select the "Specify Top Level Data Path" Command button to select their LIFOPro software database file folder location

COMPAN	/ SELECTION MENU - [Company Select	ion Menu]								
L#										
Specify	y Top Level Data Path	Refresh Screen	Combined Report 18	MF_DIS	Index File Downloads	Exit Program	Help	About		
\mathbf{Z}	Select Com	npany from I	<u>ist below:</u>						Exit System	
	Select Specify Top Level Data Path Command Button if your									
	• •		are data files are	not list	ed in the					
	Company Sel	ection Menu	Screen							



SYSTEM INFORMATION UPDATE SCREEN				
Help				
	Continue	Browse		
Data Drive and Directory(Top level): C:\LIFOPRO				
This tells LIFO-PRO the highest level at which drive and path to start seaching for LIFO	-PRO data files. Enter e.g. C:\LIFO	PRO		
Drive and Directories:				3. Select the Use
Path selected:		Use this Path		this Path button
				(software will
Drive:	1. Select the Drive drop-	down option box on the lef	ft side of the	automatically
Directorie 🚍 t: [\\192.168.99.69\Shared\External\ABC Mfg Co]	System Information Upd	ate Screen		advance to the
	2. Select the T drive (sho	uld be listed as		Company Selection
El LIFOPRO	t: [\\192.168.99.69\Shar	ed\External\"YourCompar	nyName"])	Menu Screen after
esources				selecting this
📄 Software Data Files				button)

• In the Main Menu, user accesses the IPIC module by selecting the orange button on the right side of the screen

MAIN MENU				- 6 X		
Specify Top Level Data Path Print Standard Reports Automatically Save Log File Exit Program Help About				_ 8 X		
	_					
ABC Corporation				Exit Program		
Data Path - Y \LIFOPRO1\SAMPLE IPIC CALCULATIONFirstYvarOnLIFO\				-10/01/0010		
			Last Period Closed	= 12/31/2016		
COMPANY SELECTION Select different company (Pempany Selection Menu)		CALCULATIONS	Internal Index Module			
Select different company (Company Selection Menu)			Internal Index Module			
HISTORICAL DATA REPORTS(12/31/2017 to 12/31/2018)			IPIC Module (PPI or CPI)			
Report 16-All years, by pool	With UNICAP	E-third	Values Epr 12/31/2019 (Server 2)			
Report 16a All years, by pool	With UNICAP	Enter	Values For 12/31/2019 (Screen 3)			
Report 17-All years, by pool	With UNICAP	Projection Report	1-Range of Inv. Levels and Indexes,	one pool		
Report 18-All pools, by year	With UNICAP					
Report 18a-All pools, by year	With UNICAP	YEAR END CLOSE or UNCLOSE (12/	31/2018 in the last year closed erest			
Report 18c Consolidated Companies	With UNICAP	Close 12/31/2019				
Report 19-LIFO Provision Components	Consol. Rpt. 19					
Report 15-All years, by pool		Unclose 12/31/2018				
Reports 23 and 24-IPIC Index Calculation Reports		-IPIC Settings Year end month: December		1		
Land PAL Kalania Dala				📕 🗾 LIFOPro I		
Input/Edit Historical Data		C/Y and P/Y Appropriate month. Dece	mber	ineri iniq izzaişlatır.		
COMPANY SETUPINFORMATION		10% method used?. No				
Company Setup, Methods Settings, Pools and Periods		10% metrioù useu?, No		Version 6.0.30		
UNICAP (Sec. 263A) Rates		Grand total of last yr. closed(12/31/20	18) LIFO Reserve :\$7,347,905	Version Date 6/30/2020		
		Auto PPI/CPI Files Download - Enable	ed			
		Last Excel input file loaded and sheet Y.\BLS-CorporateFiles\CorporateRes Data Input Sheet TemplateWLIFOPoo	ources_White_Papers\Software\Item Detail			
				4		

IPIC MENU FOR ABC Corporation				
Specify Top Level Data Path Help Save Log File				
Load Inventory balances w/PPI codes File, Run Calculations and View Reports	List	t of CPI and PPI f	iles availat	ole:
Load Load Different Use 12/2018 Year Load Different		A	В	С
Load Last EXCEL Data Input File EXCEL Data end Report 23 for Input File Projection Projection	1	File Name	Earliest Period	Lates
	<u> </u>	C:\LIFOPRO\bls\		
		indx99.cpi	Jan99	Dec99
VIEW PREVIOUSLY CALCULATED IPIC REPORTS 23 and 24		indx98.cpi	Jan98	Dec98
		indx98.cpi	Jan98	Dec98
IPIC METHODS SETTINGS		indx97.cpi	Jan97	Dec97
		indx97.cpi	Jan97	Dec97
IPIC POOLING METHOD POOL NUMBER ASSIGNMENTS		indx96.cpi	Jan96	Dec96
RETURN TO MAIN MENU	-	indx95.cpi	Jan95	Dec95
		indx94.cpi	Jan94	Dec94
		indx93.cpi	Jan93	Dec93
		indx92.cpi	Jan92	Dec92
		indx91.cpi	Jan91	Dec91
		indx2020.cpi	Jan2020	May20
		indx2019.cpi	Jan2019	Dec20
		indx2018.cpi	Jan2018	Dec20
		indx2017.cpi	Jan2017	Dec20
		indx2016.cpi	Jan2016	Dec20
		indx2015.cpi	Jan2015	Dec20
		indx2013.cpi	Jan2013	Dec20
		indx2013.cpi	Jan2014	Dec20
		indx2012.cpi	Jan2013	Dec20
		indx2012.cpi	Jan2012	Dec20
		indx2011.cpi	Jan2011	DEC20
st Excel Input File Loaded:		indx2009.cpi	Jan2009	Dec20
BLS-CorporateFiles\Corporate\Resources White Papers\Work Files\Item Detail Data Input Sheet TemplateWLIFOPools2018YExIsx		indx2008.cpi	Jan2008	Dec20
		indx2007.cpi	Jan2007	Dec20
ogram file path= C:\LIFOPRO		indx2006.cpi	Jan2006	Dec20
		indx2005.cpi	Jan2005	Dec20
urrent directory= C:\LIFOPRO		indx2004.cpi	Jan2004	Dec20
		indx2003.cpi	Jan2003	Dec20
p level data file path= Y:\LIFOPRO1\Sample IPIC Calculation\OnLIFO		indx2002.cpi	Jan2002	Dec20
		indx2001.cpi	Jan2001	Dec20
ompany data path: Y:\LIFOPRO1\Sample IPIC Calculation\OnLIFO\LPDataFiles\		indx2000.cpi	Jan2001	Dec20
		blswts.cpi	1997	2018

- User selects one of the four available calculation buttons:
 - Load Last Excel Data Input File
 - used to load same Excel file
 that what was used for the last
 calculation made in the
 software.
 - Load Different Excel Data Input File- used to load a different excel file than what was used for the prior period calculation
 - Yellow or orange buttons: used to make interim estimate or projection using the latest BLS inflation indexes available shown on the right side of screen & inventory balances/BLS category assignments from last period closed (yellow button) or other
 period previously closed (orange button)

IPIC MENU FOR ABC Corporation					
Specify Top Level Data Path Help Save Log File					
Load Inventory balances w/PPI codes File, Run Calculations and View Reports	List of CPI and P	Pl files a	vailable:	:	Latest Period shown
Load Different Use 12/2018 Year Load Different					in Column C will be
Load Last EXCEL EXCEL Data Input EXCEL Data Input end Report 23 for Report 23 for	A	В	С		
Data Input File File Projection Projection	file Name	Earliest Period	Latest Period		the appropriate
	1 File Name 2 C:\LIFOPRO\bls\	Perioa	Perioa	<u> </u>	month used for LIFC
	3 indx2020.cpi	Jan2020	Jun2020		
VIEW PREVIOUSLY CALCULATED IPIC REPORTS 23 and 24	4 indx2019.cpi	Jan2019	Dec2019	t 🦾	estimates &
	5 indx2018.cpi	Jan2018	Dec2018		projections unless
IPIC METHODS SETTINGS	6 blswts.cpi	1997	2018	1	
	7 catname.cpi				specified otherwise
	8 indx2020.ppi	Jan2020	Jun2020		in IPIC Methods
	9 indx2019.ppi	Jan2019	Dec2019		
	10 indx2019Final.ppi	Jan2019	Dec2019		Settings Screen
	11 indx2018.ppi	Jan2018	Dec2018		
	12 indx2018Final.ppi	Jan2018	Dec2018		
	13 blswts.ppi	2000	2019		
Choose one of the four	14 catname.ppi				
buttons above to open the	15 SCHEDULE OF FUTU			SE DATES:	<u>:</u>
	16 MONTH	PPI	CPI		
IPIC Data Input Screen &	17 December 2018	1-15-2019			
complete LIFO calculations	18 January 2019	2-14-2019			
	19 February 2019	3-13-2019			
	20 March 2019	4-11-2019			
	21 April 2019	5-9-2019			
	22 May 2019 23 June 2019	6-11-2019 7-12-2019			
Selecting the green "Load Last Excel Data Input File" button	23 June 2019 24 July 2019	7-12-2019 8-9-2019			
	24 July 2019 25 August 2019	9-11-2019			
above will load the following file listed below	26 September2019		10-10-2019		
	27 October 2019		11-13-2019		
Last Excel Input File Loaded:	28 November 2019) 12-11-2019		
Y:\BLS-CorporateFiles\Corporate\Resources_White_Papers\Work Files\Item Detail Data Input Sheet TemplateWLIFOPools2018YE.xlsx		1-15-2020			
	30 January 2020	2-19-2020			
	31 February 2020	3-12-2020			
Program file path= C:\LIFOPRO	32 March 2020		4-10-2020		
	33 April 2020	5-13-2020	5-12-2020		
Current directory= C:\LIFOPRO	34 May 2020	6-11-2020	6-10-2020		
Top level data file path= Y:\LIFOPRO1\SAMPLE IPIC CALCULATION	35 June 2020	7-10-2020	7-14-2020		
	36 July 2020	8-11-2020	8-12-2020		
	37 August 2020	9-10-2020			
Company data path: Y:\LIFOPRO1\SAMPLE IPIC CALCULATION\LPDataFiles\OnLIFO\LPDataFiles\	38 September2020		0 10-13-2020		
	39 October 2020		0 11-12-2020		
1	40 November 2020	12-11-2020	12-10-2020	<u> </u>	

Calculation: Loading Files into Software

- Files located on your PC or company's network drive can be loaded into the LIFOPro software on your VM using the same steps to load them when using an on-premise version of the software (must have Drives enabled within Remote Desktop Connection settings -> Local Resources Tab -> Local Devices and Resources -> More -> "Drives" checkbox)
- Use load file dialogue box to navigate to the appropriate local/network folder containing Excel data file

LIFOPro Software V Software	/irtual Machine File Explorer Screen
💻 🎽 📑 🗸 This PC	- 🗆 X
File Computer View	× 😢
\leftrightarrow \rightarrow \checkmark \Uparrow \blacksquare > This PC	・ O Search This PC
 > A Quick access > OneDrive 	Name Type > Folders (7) > Devices and drives (1)
> 💻 This PC	> Network locations (1)
> 🥏 Network User's local & network	 ✓ Redirected drives and folders (3) ^w C on DELL-45 System Folder
drives are mapped or "redirected" to LIFOPro software virtual machine	2 D on DELL-45 System Folder 2 Y on DELL-45 System Folder
	<>
12 items	
₽ Start a search	o Ħ 🔁 🗖

		p Save Log File es File, Run Calcula	tions and \	View Reports
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User loads excel file containing data input sheet/fields into LIFO-PRO software & starts LIFO calculation

Separate Data Input Sheet

Data Input Sheet Embedded into Item Detail Report

		elete	Save	IPIC Data In	put Sheet as Excel	File Help			
om % 85	•	A194	07	▼ ='Item	Detail W PPI Codes 2	018YE'!G19401			
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oad Different		А	В	С		D	E	F	
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1 110		2 FOR	THE PER	IOD ENDED: 12	2/31/2018				
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		5 BL	S LIF	O Period End					
Start IPIC Index Calculation (Using this data sheet)		Categ 7 Num	ory Poo		BLS Cates	ory Description			
		395 10170	04 9	551	~~Hot rolled steel bars, p	ates, & structural shapes			
		396 10170	9 9	-	~~Hot rolled steel bars, p	ates, & structural shapes			
	19	397 1017	9 9	473	~~Hot rolled steel bars, p	lates, & structural shapes			
	19	398 1017	9 80	355	~~Cold finished steel bars	and bar shapes			
Exit	19	399 10170	9 06	-	~~Steel pipe and tube				
		400 1017			~~Hot rolled steel bars, p				
_		401 10170		-	~~Hot rolled steel bars, p				
Print		402 10170		-	~~Cold finished steel bars				
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Lookup		404 10170		-	~~Cold finished steel bars				
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IPIC DATA INPU └₽	IT SCREEN	FOR A	3C Corporatio	'n									
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Start IPIC	Index		BLS	LIFO	Period End		LIFO T	lon.			Current Period		
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(Using thi			7 Number		Balance	#	#	#	Tonnage Group Name	Product Description	Cost	Code	PPI Categor
shee	t)	19	395 101704	9	551	TC7632	9 5	80 Ho		4 X 3-1/2 X 1/2 Hot Roll Angle Astm A36 X 2	551	101704	~~Hot rolled steel bars, pl
		19	396 101704	9		TC7633	9 5	80 Ho	t Roll Bar	3-1/2 X 2-1/2 X 1/2 A36 Hr Angle	-	101704	~~Hot rolled steel bars, pl
		19	397 101704	9	473	TC7636	9 5	80 Ho	t Roll Bar	12 X 20.7 Hr Channel A36 X 20'	473	101704	~~Hot rolled steel bars, pl
Exit		19	398 101708	9	355	TC7654	9 5	10 100	00 Series Cold Finished Round Bar	2.875 Round Cd 1045 Cs Bar Astm A108 12	355	101708	~~Cold finished steel bars
		19	399 101706	9	-	TC7656	9 0	69 Alu	uminized Electric Weld Tubing	3/4" Od X 18Ga Alum T1-25 1006/1008 Ew	-	101706	~~Steel pipe and tube
		19	400 101704	9	,	TC7684	9 5	80 Ho	t Roll Bar	4 X 4 X 1/4Wa Hot Roll Angle Astm A36 X 40		101704	~~Hot rolled steel bars, pl
Print		19	401 101704	9		TC7685	9 5	80 Ho	t Roll Bar	3/16 X 2-1/2 Hr A36 Flat Bar X 20'		101704	~~Hot rolled steel bars, pl
			402 101708	9		TC7711	9 5	10 100	00 Series Cold Finished Round Bar	.500 Round G&P 1045 Cs Bar A108 X 20'R/L		101708	~~Cold finished steel bars
Looku	in	19	403 101708	9		TC7712	9 5	15 110	00 Series Cold Finished Round Bar	.625 Round Cd G&P 1141 Cs Bar A108 X 20'		101708	~~Cold finished steel bars
Catego			404 101708	9		TC7713	9 5	15 110	00 Series Cold Finished Round Bar	.500 Round Cd G&P 1141 Cs Bar A108 X 20'		101708	~~Cold finished steel bars
Name			405 101708	9		TC7715			,	.375 X 2.000 Flat Cd 1018 Cs Bar Astm A108		101708	~~Cold finished steel bars
Turns	3		406 101704	9		TC7716	9 5	80 Ho	t Roll Bar	C9 X 13.4# Hot Roll Channel Astm A36 X 40	446	101704	~~Hot rolled steel bars, pl
			407 101708	9	334	TC7718	9 5	10 100	00 Series Cold Finished Round Bar	3.125 Rd Cd 1045 Cs Bar Astm A108 X 20' R	334	101708	~~Cold finished steel bars
			408		ļ!	Ļ'							
		19	409 Sheet To	tal	52,051,246	<u> </u>	\square		2018	Year End Grand Total Average Cost Balance	52,051,246		
		н	() H	\Data J	Input Sheet 20)18YE D	ISItem D)etail V	V PPI Codes 2018 Item Detail W	PPI Codes 2018YE / Product Hierarchy w I	PPI 2018YE	tem Detail	Export 2018YE Product I
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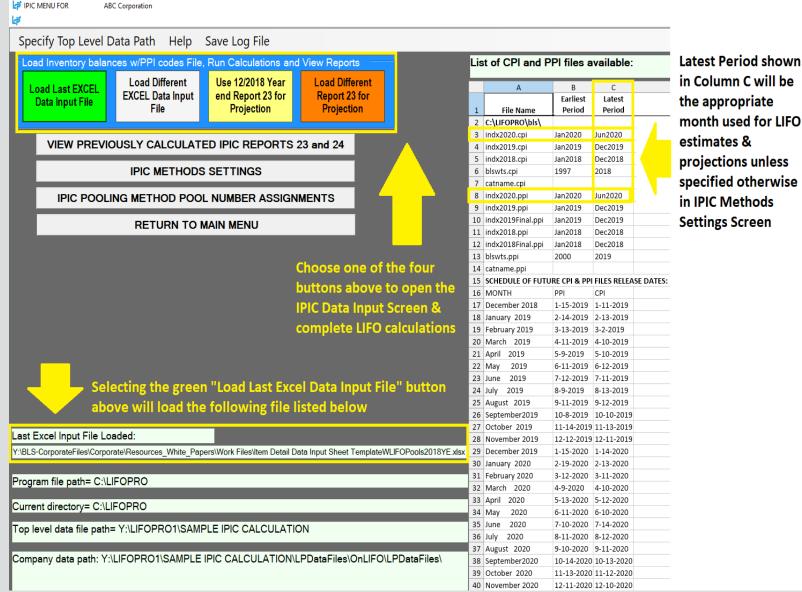
- IPIC reports screen appears after software completes LIFO calculation
- Close period end button selected & LIFO calculation documentation stored in software database file
- Software advances last period closed & updates reports

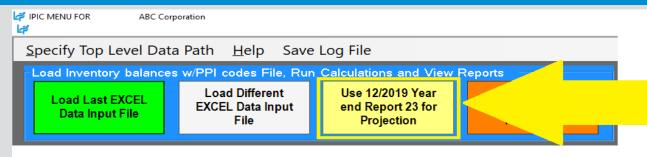
LP IPIC MENU FOR ABC Corporation							-		
P File Edit Save IPIC Reports as Excel File He	elp							- 8	
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C17 52051245.9825									
Report 23S Report 23 Report 24	Report	26							
ABC Corporation				7/22/2019 1	1:25:47 AM				
SUMMARY OF IPIC LIFO INDEX CALCULATIONS BY POO	DL SUMMAR	Y REPORT :	235						
FOR PERIOD ENDED Dec, 2018									
			Cumulative	Cumulative	Current				
POOL		CURRENT	Index	Index	Year Index	LIFO	LIFO	LIFO	
NO. NAME	Y	EAR COST	12/31/2017	12/31/2018		EXPENSE	INVENTORY	RESERVE	
Mechanical Tubing		28,362,691	.877316	1.065563	1.214571	4,269,234	26,499,803	1,862,888	
2 Boiler (pressure) Tubing		548,331	1.004492	1.047740	1.043055	21,297	523,346	24,985	
3 Pipe		4,931,553	.894701	1.086719	1.214617	845,281	4,437,882	493,671	
4 Valves & Fittings		2,930,958	1.046986	1.093840	1.044751	97,852	2,679,514	251,444	
5 Stainless Pipe & Tubing		10,802,888	.715761	.868227	1.213012	1,665,697	11,322,270	-519,382	
8 Stainless Valve & Fittings		555,329		.931035	1.044909	18,868	580,045	-24,716	
7 Aluminum Pipe & Tubing		1,074,608	.757446	.793862	1.048077	44,639	1,245,233	-170,625	
8 Aluminum Valve & Fittings		17,229	.951311	.994625	1.045531	889		-93	
9 Cold finished bar		2,827,659		.880105	1.129624	323,143		-306,763	
Total/Averages	L	52,051,248			1.190407	7,286,899	50,439,837	1,611,409	
leffetter ester an Dec 2010 DDI Decline indexes divided by	Dee 2047 /	Dealling landser		- Deced 24					
Inflation rates are Dec 2018 PPI Prelim indexes divided by PIC data file used for calculations:Y:BLS-CORPORATEFILES/CORPORATE/RI					TemplateWHEOP	wie2018VE view D	ata Innat Sharei 2019V		
There were missing indexes for one category. Indexes used								-	
Optional IPIC Methods used:									
10% Method used(BLS Weights used)?: 10% Method not u	ised								
U.S. Bureau of Labor Statistics inflation indexes source: Pl	PI Detailed	Reports Tab	le 9						

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Specify Top Level Data Path Print Standard Reports Automatically Save Log File Exit Program Leep About			
ABC Corporation			Exit Program
Data Path - Y.LEOPRO IISAMPLE IPIC CALCULATIONIOnLEO/LPDataFiles\		ry database file updated to include ults from last period closed	=12/31/2018
-COMPANY SELECTION		- CALCULATIONS	
Select different company (Company Selection Menu)		Internal Index Module	
Reports now include calculation results		IPIC Module (PPI or CPI)	
Report 16-All years, by pool	With UNICAP	Enter Values For 12/31/2019 (Screen 3)	
Report 16a All years, by pool	With UNICAP		
Report 17-All years, by pool	With UNICAP	Projection Report 1-Range of Inv. Levels and Indexes,	one pool
Report 18-All pools, by year	With UNICAP		
Report 18a-All pools, by year	With UNICAP	• YEAR FND CLOSE or UNCLOSE (12/31/2018 is the last year closed now)	
Report 18c-Consolidated Companies	With UNICAP	Close 12/31/2019	
Report 19-LIFO Provision Components	Consol. Rpt. 19		
Report 15-All years, by pool		Unclose 12/31/2018	
Reports 23 and 24-IPIC Index Calculation Reports		- IPIC Settings Year end month: DECEMBER	
	_		📕 🖉 I IFOPro 🛛
Inpu/Edit Historical Data		C/Y and P/Y Appropriate month: DECEMBER	ineilneitanjian
-COMPANY SETUP INFORMATION		LIFO reserve shown below ties to	
Company Setup, Methods Settings, Pools and Periods		^{10% method used?: No} amount shown in IPIC reports	Version 6.0.30
UNICAP (Sec. 263A) Rates		Grand total of last yr. closed(12/31/2018) LIFO Reserve \$1,611,409	Version Date 6/30/2020
		Auto PPI/CPI Files Download = Enabled	
		Auto Pryvan Files Download = Chabled	
		Last Excel input file loaded and sheet name: Y\BLS CorporateFiles\Corporate\Kesources White_Papers\Work Files\Item Detail Data Input Sheet 1 cmplate\WLFOPools2018YExtsx	

The LIFO-PRO software's IPIC module allows you to automatically calculate interim LIFO estimates using the latest BLS indexes released between now & the last period closed along with any of the following sets of current/prior period data:

- Prior period product mix & inventory balances (SALY) - Select the Yellow button to perform this level of estimate
- Current period's inventory balances & prior period product mix - Select the Yellow button to perform this level of estimate & select the "Go to Screen 3" button in the IPIC Reports screen to enter the current period's inventory balances by LIFO pool
- Current period's inventory balances & product mix - Select the green or gray button if you wish to perform this level of estimate





Select Yellow "Use MM/YYYY Year End Report 23 for Projection" button to load the same balances & BLS CPI/PPI code assignments used for the LIFO calculation of the last period closed & apply the balances by CPI/PPI code to perform a LIFO estimate or projection using most recently published BLS CPI/PPI inflation indexes (use orange buton if you wish to load inventory balances & BLS CPI/PPI category assignments for a period closed other than the last period closed)



IPIC DATA INPUT SCREEN FOR ABC Corporation

<u>E</u> ile <u>E</u> dit <u>I</u>	nser	t <u>D</u> elete S	ave IPIC Data	Input Sheet as <u>I</u>	xcel File <u>H</u> elp											
Zoom % 100	÷	Last year cl	losed:12/31/20	19 Next ye	ear to be closed:12/31/2020											
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File		FOR YEAR ENDED														
	3	Y:\LIFOPRO1\SAN	VIPLE IPIC CALCUL	ATION\LPDataFiles\C	OnLIFO\LPDataFiles\IPICRpts122019.xlp											
Save File	4															
	5	BLS	POOL	YEAR END												
Start IPIC	6	CATEGORY	NUMBER	INVENTORY												
Index		NUMBER	ASSIGNMENT	BALANCE	CATEGORY DESCRIPTION						<u> </u>					
Calculation		101704		9,295.19	After selecting yellow button, LIFOPro software opens IPIC Data Input Screen 8											
(Using this		101706	1	28,345,654.25		-			-							
data sheet)		10250162 10250163	1	6,903.93 838.09	automatically loads inventory balances by I	BLS CPI/PI	PI code	used 1	for the		1					
	11		1	28,362,691.46	calculation of the last period closed in order to automatically perform estimate											
Click Check		10250163	2	28,302,091.40	•						ate					
Box on right		1063	2	546.181.10	or projection using most recently published	d BLS CPI/	PPI infla	ation i	indexe	S						
to enable 🗖	15		_		Pool 2 total balance											
Total check.	16	101706	3	4,931,101.90	Steel pipe and tube						_					
See below.	17	114902	3	451.08		Indexes not four	d in C:\LIEOPR	0\bls\indx20	020.ppi		×					
	18			4,931,552.98	Pool Message box appears showing the BLS											
Exit	19	07210603	4	28,549.15	PICPI/PPI current & prior period	The current year	appropriate inc	lov month co	lasted is Dese	mbor The	[
LA	20	07210604	4	6.741.99	Pli	December 2020 i			letted is Dete	mber. The	[_					
During	21	101502	4		Pre:appropriate month's to be used for the						I /					
Print	22	101702	4	5,196.92	^{Serr} estimate/projection. In this example, 6											
Lookup		10250239	4			Click on Yes to u					I /					
Category		105402	4		Plurmonths ended June 2020 indexes will be	Click on No to u	se the latest 12 i	months ende	ed JUN2020 in	dexes.	 _					
Names		107411	4	86,337.94	Fab Bolt:used for the estimate/projection (June											
		1081	4				Ye	25	No	Cancel						
NOTE: Select		114902	4	566,015.80	Met 20 ÷ Dec. '19 = 6 months)											
grand tatal call	28	114903	4	1.604.045.43	Me1											

Report 23S – IPIC LIFO Calculation Summary

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4	IPIC RE	EPORTS FOR ABC Corporation									- 0 X
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	ile	<u>E</u> dit Save IPIC Reports as <u>E</u> x	xcel File <u>H</u>	lelp							
Zo	om	% 85 🕂 Print Sheet	Print a	ll Sheets	Ð	ät	Close 12/3	1/2020	Go to So	creen 3	
	A	В	С	D	E	F	G	Н		J	K
		Corporation			8/3/2020 8:02:4	16 PM				-Prior ve	ear end's inventory
<u> </u>		MARY OF IPIC LIFO INDEX CALCULATIONS BY PO	OL SUMMARY REP	ORT 235						_ •	
3	FOR	PERIOD ENDED Dec. 2020								balance	es by pool applied
4				Constanting	Constanting	6				to 6 m	onths ended June
5		POOL	CURRENT	Cumulative Index	Cumulative Index	Current Year Index	LIFO	LIFO	UEO		
<u> </u>	NO.	NAME	YEAR COST	12/31/2019	12/31/2020	12/31/2020	EXPENSE	INVENTORY	LIFO RESERVE	'20 BLS	PPI inflation
8		Mechanical Tubing	28,362,691	.979254	.923629	.943197	-1,611,086	30,408,239		indexe	s to calculate
9		Boiler (pressure) Tubing	548,331	1.090715	1.088748	.998197	-989	503,715	44,616		
10	<u> </u>	Pipe	4,931,553	.998714	.941984	.943197	-280,127	5,117,376	-185,823	estima	ted/projected 2020
11	4	Valves & Fittings	2,930,958	1.098341	1.122347	1.021857	57,078	2,611,454	319,504	voar on	d LIFO expense
12	5	Stainless Pipe & Tubing	10,802,888	.790550	.750136	.948879	-552,254	12,841,016	-2,038,128	•	
13	6	Stainless Valve & Fittings	555,329	.936346	.959882	1.025136	13,539	563,355	-8,026	(incom	e), LIFO inventory &
14		Aluminum Pipe & Tubing	1,074,608	.789524	.720122	.912096	-94,462	1,345,567	-270,959		serve balances
15	<u> </u>	Aluminum Valve & Fittings	17,229	1.003543	1.029659	1.026024	435	16,733	496	LIFUTE	serve balances
16	9	Cold finished bar	2,827,659	.811222	.827056	1.019519	54,136	3,301,595	-473,936		
17		Total/Averages	52,051,246			.953109	-2,413,729	56,709,050	-4,657,804		
18			11. B. A016 B	des la deserve							
		tion rates are JUN 2020 PPI Prelim indexes divide		lim indexes as	shown on Repor	t 24 << <tempor< td=""><td>ary Index month</td><td>n used for pro form</td><td>a calculation >>></td><td></td><td>_</td></tempor<>	ary Index month	n used for pro form	a calculation >>>		_
	_	is not this company's index month(Appropriate m		urees White D	anere) Werk File	Altam Datail Dat	in Innut Chart Tr	mulataWUE0Deals	1010VE view Date	Innut Chart 2	01975
- 21	IPIC (data file used for calculations:Y:\BLS-CorporateFile	es (corporate (Reso	urces_white_P	apers (work file	sprem Derail Da	ta input sneet re	inplate w LIFOPOOIS	ZUTOLE YIPX-Date	a input sneet 2	VIOIC

This is not this company's index month(Appropriate month).												
VIC data file used for calculations: Y:\BLS-CorporateFiles\Corporate\Resources_White_Papers\Work Files\Item Detail Data Input Sheet TemplateWLIFOPools2018YE xlsx-Data Input Sheet 2018YE												
Optional IPIC Methods used:												
10% Method used(BLS Weights used)?: 10% Method not used	d											

25 U.S. Bureau of Labor Statistics inflation indexes source: PPI Detailed Reports Table 9

Report 24 – IPIC LIFO Inflation Index Detail

PIC REPORTS FOR ABC Corporation					
<u>File</u> <u>Edit</u> Save IPIC Reports as <u>Excel</u> File <u>H</u> elp					
Zoom % 75 🕂 Print Sheet Print all Sheets I	Exit Close 1	12/31/202	0	Go to Scre	en 3
A	В	С	D	E	F
1 ABC Corporation			8/3/2020	8:02:46 PM	
2 DETAIL OF IPIC LIFO INFLATION INDEXES REPORT 24					
3 FOR PERIOD ENDED Dec, 2020					
4		Prelim	Prelim	CUR YEAR	
5		BLS INDE		INFLATION	
6PPI CATEGORY	CATEGORY	JUN	Dec	INDEX	
7NAME	NUMBER	2020	2019	To Report 23	
POOL NUMBER:1 Mechanical Tubing	101704	185.3	182.6	1.014796	June 120 -
9Hot rolled steel bars, plates, and structural shapes 10Steel pipe and tube	101704	259.0	274.6		June '20 ÷
Extruded aluminum rod, bar, and other extruded shapes	10250162	103.1	116.3		Dec. '19 B
12Aluminum extruded and drawn pipe and tube	10250163	100.3	107.3		Dec. 19 D
13	10250105	100.5	107.5	.554702	PPI inflatio
14					
15 POOL NUMBER:2 Boiler (pressure) Tubing					indexes
16Aluminum extruded and drawn pipe and tube	10250163	100.3	107.3	.934762	
17Other heating equipment, non-electric, including parts	1063^	260.0	260.4		used to
18					a a la sul a tra
19					calculate
20 POOL NUMBER:3 Pipe					woighted
21Steel pipe and tube	101706	259.0	274.6	.943190	weighted
22Metal valves, except fluid power	114902	349.1	341.9	1.021059	average
23					
24					pool index
25 POOL NUMBER:4 Valves & Fittings					
26Plastics pipe	07210603	106.6	107.8	.988868	for estima
27Plastics pipe fittings and unions	07210604	174.4	175.0		(
28Pressure and soil pipe & fittings, cast iron	101502	405.2	397.0		(carries
29Semifinished steel mill products	101702	234.9	239.0		forward to
30Copper and copper alloy pipe and tube	10250239	182.0	192.7		ioi wai u tu
31Plumbing fixtures, fittings, and trim	105402	339.7	333.7		Report 23
32Fabricated metal pipe, tube, and fittings	107411^	104.7	104.7		-
33Bolts, nuts, screws, rivets, and washers	1081	221.0	210.1		Report 23
34Metal valves, except fluid power	114902	349.1	341.9		
35Metal pipe fittings, flanges, and unions	114903^	323.3	315.1	1.026023	

Select "Go to Screen 3" button in IPIC reports screen after IPIC LIFO calculation estimate appears to complete estimate with additional precision by updating inventory balances by pool

¥2	IPIC REPOR	TS FOR ABC Corp	poration									
L#												
<u>File</u> <u>E</u> dit Save IPIC Reports as <u>E</u> xcel File <u>H</u> elp												
Zoo	m % 90	÷ Print Sheet	Print all Sheets	Exit	Close 12/31/202	0 Go to Screen						
	A	В		С	D	E						
1	ABC Corpo	oration				8/3/2020 8:47:19 F						
2	SUMMAR	Y OF IPIC LIFO INDEX (CALCULATIONS BY PO	OL SUMMA	RY REPORT 23S							



<u>File</u> <u>E</u>dit Save Report 3 as <u>Excel</u> File <u>G</u>lobal Var <u>H</u>elp

Zoom % 75 🛨 A17	•				_		Load Differe	nt File	Print	Close	12/31/2020	Exit and Don't Save Exit and Save	
ABC Corporation					8/3/2020 8:	27:59 PM						6 months ended June '20 BLS PPI infl	ation 🗅
DATA INPUT FOR 12/31/2020 LIF			D-PRO Report										
DATA FILE NAME:Item Detail Data In	DATA FILE NAME: Item Detail Data Input Sheet TemplateWLIFOPools2018YE.prn							Breakdow	n of LIFO Ex	pense (Income) Components	indexes carry forward to Screen 3 wl	nen
										Layer	Total	user selects "Go to Screen 3" button	In thic
	C/Y COST	C/Y COST	INDEX	INDEX	LIFO	LIFO	LIFO	Infla		Erosion	LIIO		
POOL	12/31/2019	12/31/2020	12/31/2019	12/31/2020	EXPENSE	RESERVE	INVENTORY	Effe		Effect	Expense	screen, user can enter current period	lor
1 Mechanical Tubing	28,362,691	27,000,000	.919001	.943197	-1,611,086	-2,045,548	29,045,548	-1,6	11,086	0			
2 Boiler (pressure) Tubing	548,331	500,000	1.041016	.998197	-4,848	40,757	459,243 E		-989	-3,859	-4,848	projected inventory balances by LIFC) pool,
3 Pipe	4,931,553	5,000,000		.943197	-280,127	-185,823	5,185,823		80,127	0	-200,127:		
4 Valves & Fittings	2,930,958	2,500,000	1.004115	1.021857	10,100	272,525	2,227,475 E		64,062	-53,962	10,100	apply these balances to the 6 month	S
5 Stainless Pipe & Tubing	10,802,888	11,000,000	.910534	.948879	-552,254	-2,038,128	13,038,128	-5	52,254	0	-552,254		
6 Stainless Valve & Fittings	555,329	500,000	1.005705	1.025136	11,876	-9,689	509,689 E		13,959	-2,082	11,876	ended June '20 weighted-average po	001
7 Aluminum Pipe & Tubing	1,074,608	1,500,000	.994536	.912096	-94,462	-270,959	1,770,959	-	94,462	0	-94,462	indexes by pool computed in IPIC rep	aarte 8
8 Aluminum Valve & Fittings	17,229	50,000	1.008966	1.026024	448	509	49,491		448	0	448	indexes by poor computed in iPic rep	
9 Cold finished bar	2,827,659	3,000,000	.921734	1.019519	55,193	-472,879	3,472,879		55,193	0	55,193	calculate resulting LIFO expense (inc	ome)
TOTALS OR WTD AVG	52,051,246	51,050,000	.925254	.952589	-2,465,160	-4,709,235	55,759,235	-2,4	05,257	-59,903	-2.465.1601		
												LIFO reserve & LIFO inventory baland	ces.
E-Layer erosion occurs for this pool.												,	

User can enter current period or projected inventory balances by pool in orange-shaded C/Y cost column

Weighted-average pool indexes by LIFO pool calculated using 6 months ended June '20 BLS PPI inflation indexes carry forward to Screen 3 to calculate LIFO expense, LIFO reserve & LIFO inventory balances \times

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Reporting – LIFO Calculation Summary Report (Rpt. 18)

Report 18 provides all amounts required to record LIFO-related general ledger journal & tax return entries

2018 Year End Report 18 (Last Period Closed)

	PORT 18 (Year Histories)									
4										
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_	JAL YEAR-END LIFO CALCI	ULATION SUM	MARY REPORT	18						
12/3	1/2018		Data path:Y:\Ll	FOPRO1\SA	MPLE IPIC	CALCULATIC	DN\LPDataFiles\(OnLIFO\LPData	aFiles\	
									-	
				12/31/2018	CUMLTV	CUMLTV		12/31/2018	12/31/2017	12/31/2018
POOL	POOL		CURRENT	DEFLATOR	DEFLATOR	INFLATOR	LIFO	LIFO	LIFO	LIFO
POOL NO.	POOL		CURRENT YEAR COST	DEFLATOR INDEX	DEFLATOR INDEX	INFLATOR INDEX	LIFO INVENTORY	LIFO RESERVE	LIFO RESERVE	LIFO EXPENSE
NO.	NAME		YEAR COST	INDEX	INDEX 1.065563	INDEX	INVENTORY	RESERVE	RESERVE	EXPENSE
NO. 1 2	NAME Mechanical Tubing		YEAR COST 28,362,691	INDEX 1.214571	INDEX 1.065563 1.047740	INDEX 1.065563	INVENTORY 26,499,804	RESERVE 1,862,888	RESERVE -2,406,346	EXPENSE 4,269,234
NO. 1 2	NAME Mechanical Tubing Boiler (pressure) Tubing		YEAR COST 28,362,691 548,331	INDEX 1.214571 1.043055	INDEX 1.065563 1.047740 1.086719	INDEX 1.065563 E 1.047740	INVENTORY 26,499,804 523,346	RESERVE 1,862,888 24,985	RESERVE -2,406,346 3,688	EXPENSE 4,269,234 21,297
NO. 1 2 3 4	NAME Mechanical Tubing Boiler (pressure) Tubing Pipe		YEAR COST 28,362,691 548,331 4,931,553	INDEX 1.214571 1.043055 1.214617	INDEX 1.065563 1.047740 1.086719	INDEX 1.065563 E 1.047740 E 1.086719	INVENTORY 26,499,804 523,346 4,437,882	RESERVE 1,862,888 24,985 493,671	RESERVE -2,406,346 3,688 -351,610	EXPENSE 4,269,234 21,297 845,281
NO. 1 2 3 4 5	NAME Mechanical Tubing Boiler (pressure) Tubing Pipe Valves & Fittings		YEAR COST 28,362,691 548,331 4,931,553 2,930,958	INDEX 1.214571 1.043055 1.214617 1.044751	INDEX 1.065563 1.047740 1.086719 1.093840	INDEX 1.065563 E 1.047740 E 1.086719 E 1.093840	INVENTORY 26,499,804 523,346 4,437,882 2,679,513	RESERVE 1,862,888 24,985 493,671 251,444	RESERVE -2,406,346 3,688 -351,610 153,592	EXPENSE 4,269,234 21,297 845,281 97,852
NO. 1 2 3 4 5 6	NAME Mechanical Tubing Boiler (pressure) Tubing Pipe Valves & Fittings Stainless Pipe & Tubing		YEAR COST 28,362,691 548,331 4,931,553 2,930,958 10,802,888	INDEX 1.214571 1.043055 1.214617 1.044751 1.213012	INDEX 1.065563 1.047740 1.086719 1.093840 .868227 .931034	INDEX 1.065563 E 1.047740 E 1.086719 E 1.093840 .868227	INVENTORY 26,499,804 523,346 4,437,882 2,679,513 11,322,271	RESERVE 1,862,888 24,985 493,671 251,444 -519,382	RESERVE -2,406,346 3,688 -351,610 153,592 -2,185,079 -2,185,079	EXPENSE 4,269,234 21,297 845,281 97,852 1,665,697
NO. 1 2 3 4 5 6 7	NAME Mechanical Tubing Boiler (pressure) Tubing Pipe Valves & Fittings Stainless Pipe & Tubing Stainless Valve & Fittings		YEAR COST 28,362,691 548,331 4,931,553 2,930,958 10,802,888 555,329	INDEX 1.214571 1.043055 1.214617 1.044751 1.213012 1.044909	INDEX 1.065563 1.047740 1.086719 1.093840 .868227 .931034 .793862	INDEX 1.065563 E 1.047740 E 1.086719 E 1.093840 .868227 .931034	INVENTORY 26,499,804 523,346 4,437,882 2,679,513 11,322,271 580,045	RESERVE 1,862,888 24,985 493,671 251,444 -519,382 -24,716	RESERVE -2,406,346 3,688 -351,610 153,592 -2,185,079 -43,584	EXPENSE 4,269,234 21,297 845,281 97,852 1,665,697 18,868
NO. 1 2 3 4 5 6 7 8	NAME Mechanical Tubing Boiler (pressure) Tubing Pipe Valves & Fittings Stainless Pipe & Tubing Stainless Valve & Fittings Aluminum Pipe & Tubing		YEAR COST 28,362,691 548,331 4,931,553 2,930,958 10,802,888 555,329 1,074,608	INDEX 1.214571 1.043055 1.214617 1.044751 1.213012 1.044909 1.048077	INDEX 1.065563 1.047740 1.086719 1.093840 .868227 .931034 .793862 .994626	INDEX 1.065563 E 1.047740 E 1.086719 E 1.093840 .868227 .931034 E .793862	INVENTORY 26,499,804 523,346 4,437,882 2,679,513 11,322,271 580,045 1,245,233	RESERVE 1,862,888 24,985 493,671 251,444 -519,382 -24,716 -170,625	RESERVE -2,406,346 3,688 -351,610 153,592 -2,185,079 -43,584 -215,263	EXPENSE 4,269,234 21,297 845,281 97,852 1,665,697 18,868 44,639

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• Last period closed is the default period displayed. Separate sheet tab for each period.

2017 Year End Report 18 (Prior Period Closed)

🗳 REP	ORT 18 (Year Histories)									
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				12/31/2017	CUMLTV	CUMLTV		12/31/2017	12/31/2016	12/31/2017
POOL	POOL		CURRENT	DEFLATOR	DEFLATOR	INFLATOR	LIFO	LIFO	LIFO	LIFO
NO.	NAME		YEAR COST	INDEX	INDEX	INDEX	INVENTORY	RESERVE	RESERVE	EXPENSE
1	Mechanical Tubing		19,896,600	1.077288	.877316	.877300	22,302,946	-2,406,346	-3,641,954	1,235,608
2	Boiler (pressure) Tubing		824,700	.990357	1.004492	E 1.004492	821,012	3,688	12,393	-8,705
3	Pipe		6,212,600	1.155203	.894701	.894700	6,564,210	-351,610	-923,200	571,590
4	Valves & Fittings		4,358,624	1.018209	1.046986	1.047000	4,205,032	153,592	92,396	61,196
5	Stainless Pipe & Tubing		7,819,732	1.092075	.715761	E .715761	10,004,811	-2,185,079	-2,844,367	659,288
6	Stainless Valve & Fittings		420,146	1.048692	.891020	E .891020	463,730	-43,584	-63,090	19,506
7	Aluminum Pipe & Tubing		1,076,757	1.099429	.757446	E .757446	1,292,020	-215,263	-312,636	97,373
8	Aluminum Valve & Fittings		19,187	1.112934	.951311	E .951311	20,169	-982	-5,012	4,030
9	Cold finished bar		2,553,960	1.026935	.779113	E .779113	3,183,866	-629,906	-696,894	66,988
	Totals		43,182,306	1.079418			48,857,796	-5,675,490	-8,382,364	2,706,874
				_ [

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2017 year end totals shown above tie to 2018 report totals shown to the left

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Reporting – LIFO Inventory History Schedule (Rpt. 16)

Report 16 provides one sheet per pool LIFO history carryforward for all years, including all pools combined format

Pool 1 (Single Pool format)

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Pool: 1	Mechanica	l Tubing		Data path:Y	:\LIFOPRO1	SAMPLE	PIC CALCUL	ATION\OnLI	FO\LPData	Files\		
		CUR. YR.	CUMLTV.	INVENTORY	INC(DEC)	CUMLTV.						
	CURRENT	DEFLATOR	DEFLATOR	AT BASE	AT BASE	INFLATOR	PRICED	LIFO	LIFO	LIFO	LAYER	LAYER AT
PERIOD	YEAR COST	INDEX	INDEX	PRICES	PRICES	INDEX	INC(DEC)	INVENTORY	RESERVE	EXPENSE	AT BASE	COST
6/30/2011	19,461,446	1.000000	1.000000	19,461,446	19,461,446	1.000000	19,461,446	19,461,446	0	0	19,461,446	19,461,446
12/31/2011	19,406,607	.988603	.988603	19,630,343	168,897	.988603	166,972	19,628,418	-221,811	-221,811	168,897	166,972
12/31/2012	19,406,607	1.000000	.988603	19,630,343	0	.988603	0	19,628,418	-221,811	0	0	0
12/31/2013	19,406,607	1.000000	.988603	19,630,343	0	.988603	0	19,628,418	-221,811	0	0	0
12/31/2014	19,406,607	1.000000	.988603	19,630,343	0	.988603	0	19,628,418	-221,811	0	0	0
12/31/2015	19,406,607	1.000000	.988603	19,630,343	0	.988603	0	19,628,418	-221,811	0	0	0
12/31/2016	15,986,464	.823764	.814375	19,630,343	0	.814375	0	19,628,418	-3,641,954	-3,420,143	0	0
12/31/2017	19,896,600	1.077288	.877316	22,678,933	3,048,590	.877300	2,674,528	22,302,946	-2,406,346	1,235,608	3,048,590	2,674,528
12/31/2018	28,362,691	1.214571	1.065563	26,617,562	3,938,629	1.065563	4,196,858	26,499,804	1,862,888	4,269,234	3,938,629	4,196,858
12/01/2010					26,617,562	OOFF76	26,499,804			1,862,888	26,617,562	26,499,804

All Pools Combined Format

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		CUR. YR.	CUMLTV.	INVENTORY	INC(DEC)	CUMLTV.		•	•			
	CURRENT		DEFLATOR	AT BASE	AT BASE	INFLATOR	PRICED	LIFO	LIFO	LIFO	LAYER	LAYER AT
PERIOD	YEAR COST	INDEX	INDEX	PRICES	PRICES	INDEX	INC(DEC)	INVENTORY	RESERVE	EXPENSE	AT BASE	COST
6/30/2011	37,545,767		1.000000	37,545,767	37,545,767	1.000000	37,545,767	37,545,767	0	0	36,655,591	36,655,591
12/31/2011	37,910,820	.987271		38,399,620	853,853	.994418	849,087	38,394,854	-484,034	-484,034	698,373	692,351
12/31/2012	38,367,753	.956784		40,624,992	2,225,372	.877265	1,952,240	40,347,094	-1,979,341	-1,495,306	2,225,372	1,952,240
12/31/2013	38,794,803	.981423		41,940,926	1,315,934	.831356	1,094,009	41,441,103	-2,646,300	-666,960	1,315,934	1,094,009
12/31/2014	39,423,637	1.009272		42,268,809	327,883	.851999	279,356	41,720,459	-2,296,822	349,479	327,883	279,356
12/31/2015	39,256,453	.992147		42,430,754	161,945	.816401	132,212	41,852,671	-2,596,218	-299,396	161,945	132,212
12/31/2016	35,720,785	.849609		45,713,300	3,282,546	.685589	2,250,478	44,103,149	-8,382,364	-5,786,146	1,966,555	1,328,918
12/31/2017	43,182,306	1.079418		50,723,101	5,009,801	.949069	4,754,647	48,857,796	-5,675,490	2,706,874	3,048,590	2,674,528
12/31/2018	52,051,246	1.190407		51,981,216	1,258,115	1.257469	1,582,041	50,439,837	1,611,409	7,286,899	5,580,974	5,630,632
					51,981,216	.970347	50,439,837			1,611,409	51,981,216	50,439,837

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Reporting – LIFO Reserve Calculation Proof Report (Rpt. 18a)

Report 18a provides a LIFO reserve proof & shows the formulas/sources used to calculate all LIFO variables

LP REPORT 18a (Year Histories)											_	
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▲ ▶ / 6-30-2019 ¥ 12-31-2018 ¥ 12-	31-20	$17 \vee 12-31-2016 \vee 12-31-2015$	V 12-31-2014	V 12-31-2013	X 12-31-201	$2 \vee 12-31-2$	011 \(\sqrt{6-30-20}\)	11 \				
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CALCULATION OF LIFO RESERVE REPOR	T 18a											
12/31/2018												
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Pool number			1	2	3	4	5	6	7	8	9	
Pool name	Row	Formula/Source	Mechanical Tubir I	Boiler (pressure)	Pipe	Valves & Fittings	Stainless Pipe &	Stainless Valve &	Aluminum Pipe &	Aluminum Valve (Cold finished ba	TOTALS/AVG.
Current-year cost	7	Inventory total per Report 23s	28,362,691	548,331	4,931,553	2,930,958		555,329	1,074,608	17,229	2,827,659	52,051,246
Current year deflator index	8	Pool index calculated per Report 23s	1.214571	1.043055	1.214617	1.044751	1.213012	1.044909	1.048077	1.045531	1.129624	1.190407
Prior year cumulative deflator index	9	Layer history Report 16	.877316	1.004492	.894701	1.046986	.715761	.891020	.757446	.951311	.779113	
Current year cumulative deflator index	10	Row 8 times Row 9	1.065563	1.047740	1.086719	1.093840	.868227	.931034	.793862	.994626	.880105	
Current year inventory at base	11	Row 7 divided by Row 10	26,617,562	523,346	4,538,021	2,679,513	12,442,473	596,465	1,353,647	17,322	3,212,867	51,981,216
Prior year inventory at base	12	Layer history Report 16	22,678,933	821,012	6,943,774	4,163,021	10,925,059	471,534	1,421,563	20,169	3,278,036	50,723,101
Increase(decrease) at base	13	Row 11 minus Row 12	3,938,629	-297,666	-2,405,753	-1,483,508	1,517,414	124,931	-67,916	-2,847	-65,169	1,258,115
Current year cumulative inflator index	14	Same as Row 10 for increment	1.065563	n/a	n/a	n/a	.868227	.931034	n/a	n/a	n/a	
Increase(decrease) in LIFO cost	15	13 x 14; Row 34 for decrement	4,196,858	-297,666	-2,126,328	-1,525,519	1,317,460	116,315	-46,788	-2,847	-49,444	1,582,041
Prior year LIFO inventory	16	Layer history Report 16	22,302,946	821,012	6,564,210	4,205,032	10,004,811	463,730	1,292,020	20,169	3,183,866	48,857,796
Current year LIFO inventory	17	Row 15 plus Row 16	26,499,804	523,346	4,437,882	2,679,513	11,322,271	580,045	1,245,233	17,322	3,134,422	50,439,837
Current year LIFO reserve	18	Row 7 minus Row 17	1,862,888	24,985	493,671	251,444	-519,382	-24,716	-170,625	-93	-306,763	1,611,409
Prior year LIFO reserve	19	Layer history Report 16	-2,406,346	3,688	-351,610	153,592	-2,185,079	-43,584	-215,263	-982	-629,906	-5,675,490
Current year LIFO expense(income)	20	Row 18 minus Row 19	4,269,234	21,297	845,281	97,852	1,665,697	18,868	44,639	889	323,143	7,286,899
	21	\$ 				·····	••	·····				
Detail of decrements calculation:												
Decrease at base by year:	23	*	1	1			••				1	
	24	Report 16a		-297,666 11	-2,188,621 17	-893,844 17			-67,916 16	-2,847 11	-65,169 16	
	25	Report 16a			-217,132 16	-589,664 11	••					
	26	Sum of rows 24 to 25		-297,666	-2,405,753	-1,483,508			-67,916	-2,847	-65,169	
Cumulative inflator indexes for decrements:	27	•										
	28	Report 16a		1.000000 11	.894700 17	1.047000 17			.688901 16	1.000000 11	.758701 16	
	29	Report 16a			.774501 16	1.000000 11						
Average index for decrement	30	Weighted avg. index of rows 28 to 29			.883851	1.028319						
Decrease at LIFO cost by year:	31			Ì							Ĭ	
	32	Report 16a		-297,666 11	-1,958,159 17	-935,855 17			-46,788 16	-2,847 11	-49,444 16	
	33	Report 16a		Ì	-168,169 16	-589,664 11	ĺ				ľ	
	34	Sum of rows 32 to 33		-297,666	-2,126,328	-1,525,519			-46,788	-2,847	-49,444	
Proof of current year LIFO expense(incom	ie):	\$		Ì							Î	
Current year inflation(deflation)	36	Row 8 minus one as a percentage	21.46%	4.31%	21.46%	4.48%	21.30%	4.49%	4.81%	4.55%	12.96%	19.04%
Prior year current-year cost	37	Layer history Report 16	19,896,600	824,700	6,212,600	4,358,624	7,819,732	420,146	1,076,757	19,187	2,553,960	43,182,306
C/Y expense(income) due to inflation	38	Row 36 times Row 37	4,269,234	35,507	1,333,329	195,053	1,665,697	18,868	51,767	874	331,055	7,901,384
C/Y cum. def. index minus avg. index of layers erode	¢ 39	Row 10 - Row 30 (pools w/decr only)	n/a	.047740	.202868	.065521	n/a	n/a	.104961	005374	.121404	
Expense(income) due to layer erosions		Row 13 * Row 39 (pools w/decr only)	n/a	-14,211	-488,049	-97,201	n/a	n/a	-7,129	15	-7,912	-614,485
Total current year LIFO expense(income)	41	Row 38 plus Row 40(ties to Row 20)	4,269,234	21,297	845,281	97,852	1,665,697	18,868	44,639	889	323,143	7,286,899



Reporting – LIFO Expense & Income Components Report (Rpt. 19)

Report 19 shows the breakdown of the inflation index & layer erosion effect components that make up the total LIFO expense (income) for any given pool and/or year. The layer erosion effect LIFO income pre-tax amount that is required by GAAP to be disclosed in the notes to the financial statements for financial reporting purposes if material.

lợ″R Lợ″	EPORT	19 (LIFO Provision Breakdown)				
<u>E</u> c	lit	Save Report 19 as <u>E</u> xcel File <u>H</u> elp				
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1	ABC	Corporation 8/10/2020 3:16:	42 PM			
2	BRE	KDOWN OF LIFO EXPENSE COMPONENTS	REPORT 19)		
3	LIFO	SUMMARY FOR 12/31/2018				
4						
5	Data	path:Y:\LIFOPRO1\SAMPLE IPIC CALCULATION\LPI	DataFiles\OnLIF	O\LPDataFile	5\	
6						
7				LAYER	TOTAL	
8		POOL	INFLATION	EROSION	LIFO	
9	NO.	NAME	EFFECT	EFFECT	EXPENSE	
10	1	Mechanical Tubing	4,269,234	0	4,269,234	
11	2	Boiler (pressure) Tubing	35,507	-14,211	21,297	E
12	3	Pipe	1,333,329	-488,049	845,281	E
13	4	Valves & Fittings	195,053	-97,201	97,852	E
14	5	Stainless Pipe & Tubing	1,665,697	0	1,665,697	
15	6	Stainless Valve & Fittings	18,868	0	18,868	
16	7	Aluminum Pipe & Tubing	51,767	-7,129	44,639	
17	8	Aluminum Valve & Fittings	874	15	889	
18	9	Cold finished bar	331,055		323,143	
19		TOTAL	7,901,384	-614,485	7,286,899	
20	E-Lay	er erosion.				

r≓ R L≠	EPORT 19 (LIFO P	rovision Breakdov	wn)				
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1	ABC Corpora	tion	8/10/2	020 3:24:10	M		
2	BREAKDOW	OF LIFO EXP	ENSE COM	PONENTS R	EPOR	T 19	
3	ALL POOLS						
4							
5	Data path:Y:\Ll	FOPRO1\SAMPI	E IPIC CALCU	LATION\LPData	Files\C	nLIFO\LPDa	taFiles\
6							
7			LAYER	TOTAL			
8		INFLATION	EROSION	LIFO			
9	YEAR	EFFECT	EFFECT	EXPENSE			
10	6/30/2011	0	0	0			
11	12/31/2011	-462,141	0	-484,034			
12	12/31/2012		0	-1,495,306			
13	12/31/2013	······	0	-666,960			
14	12/31/2014	349,479	0	349,479			
15	12/31/2015		0	-299,396			
16		-5,786,187		-5,786,146			
17	12/31/2017	· · · · · · · · · · · · · · · · · · ·		2,706,874			
18	12/31/2018	······		7,286,899			
19		2,300,988	-667,766	1,611,409			

Reporting – LIFO Layer History Proof Report (Rpt. 16a)

Report 16a shows the detail by layer of all decrements and the detail by layer of all layers remaining. This report is a proof of the Report 16 decrement calculations.

ば REPORT 16a(LIFO Lay ば	er History Proof)					다 REPORT 16a(LIFO Laye	er History Proof	0				
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ABC Corporation						ABC Corporation	RY PROOF	REPORT	16a			8/10/2020
LIFO LAYER HISTO	RY PROOF	REPORT 16	6a			DECREMENT & LA				2018 CALCU	LATION DE	TAIL
DECREMENT & LA	YERS REMA	INING AS O	F 12/31/201	8 CALCULAT	ION DETAIL	Pool: 9 Cold finish						Increase
Pool: 1 Mechanic					Increase							(Decrease)
					(Decrease)	LAYERS AT BASE:		12/31/2011	12/31/2012	12/31/2013	12/31/2016	
LAYERS AT BASE:	6/30/2011	12/21/2011	12/31/2017	12/21/2019	At Base	6/30/2011	2,336,390	175 450				2,336,390
		12/31/2011	12/31/2017	12/31/2018		12/31/2011 12/31/2012		175,452	241,758			175,452 241,758
6/30/2011	19,461,446				19,461,446	12/31/2012			241,750	311,102		311,102
12/31/2011		168,897			168,897	12/31/2016			•	·	307,734	÷
12/31/2017			3,048,590		3,048,590	12/31/2017			¢	¢	-94,400	-94,400
12/31/2018				3,938,629	3,938,629	12/31/2018					-65,169	-65,169
Layer remaining	19,461,446	168,897	3,048,590	3,938,629	26,617,562	Layer remaining	2,336,390	175,452	241,758	311,102	148,165	3,212,867
			•		Inc(Dec)							Inc(Dec)
Cum. inflator index	1.000000	.988603	.877300	1.065563	in LIFO	Cum. inflator index	1.000000	1.036700	.927001	.898798	.758701	in LIFO
LIFO LAYERS AT COS		1500000		1,000000	Inventory	LIFO LAYERS AT COST 6/30/2011	: 2,336,390					Inventory 2,336,390
6/30/2011	19,461,446					12/31/2011	2,330,350	181,891				181,891
	19,401,440				19,461,446	12/31/2012		,	224,110			224,110
12/31/2011		166,972			166,972	12/31/2013				279,618		279,618
12/31/2017			2,674,528		2,674,528	12/31/2016			•	¢	233,478	233,478
12/31/2018	.			4,196,858	4,196,858	12/31/2017					-71,621	-71,621
Layer remaining	19,461,446	166,972	2,674,528	4,196,858	26,499,804	12/31/2018					-49,444	-49,444
			^			Layer remaining	2,336,390	181,891	224,110	279,618	112,413	3,134,422
	<u></u>	8/9/					<u><</u> 3_4_5_6_7	<u>8</u> 9/				

Reporting – LIFO Layer History Detail Report (Rpt. 17)

Report 17 is a one page per pool LIFO history for all years which includes all data contained in Report 16 but also shows the remaining balance of all layers for all years.

Single Pool Format

REPORT 17 (Pool His	aonesj								
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LIFO INVENTORY H	ISTORY SCHEDU	LE REPOR	T 17						
Pool: 1 Mechanical	Tubing								
	6/30/2011	12/31/2011	12/31/2012	12/31/2013	12/31/2014	12/31/2015	12/31/2016	12/31/2017	12/31/2018
Current-year cost	19,461,446	19,406,607	19,406,607	19,406,607	19,406,607	19,406,607	15,986,464	19,896,600	28,362,691
Current yr. index	1.000000	.988603	1.000000	1.000000	1.000000	1.000000	.823764	1.077288	1.214571
Cumulative index	1.000000	.988603	.988603	.988603	.988603	.988603	.814375	.877316	1.065563
Inventory at base	19,461,446	19,630,343	19,630,343	19,630,343	19,630,343	19,630,343	19,630,343	22,678,933	26,617,562
Change at base	19,461,446	168,897	0	0	0	0	0	3,048,590	3,938,629
Cum. inflator index	1.000000	.988603	.988603	.988603	.988603	.988603	.814375	.877300	1.065563
Change at LIFO cost	19,461,446	166,972	0	0	0	0	0	2,674,528	4,196,858
LAYERS AT BASE:									
6/30/2011	19,461,446	19,461,446	19,461,446	19,461,446	19,461,446	19,461,446	19,461,446	19,461,446	19,461,446
12/31/2011		168,897	168,897	168,897	168,897	168,897	168,897	168,897	168,897
12/31/2012			0	0	0	0	0	0	0
12/31/2013				0	0	0	0	0	0
12/31/2014					0	0	0	0	0
12/31/2015						0	0	0	0
12/31/2016							0	0	0
12/31/2017								3,048,590	3,048,590
12/31/2018									3,938,629
Totals	19,461,446	19,630,343	19,630,343	19,630,343	19,630,343	19,630,343	19,630,343	22,678,933	26,617,562
LIFO LAYERS AT COST:									
6/30/2011	19,461,446	19,461,446	19,461,446	19,461,446	19,461,446	19,461,446	19,461,446	19,461,446	19,461,446
12/31/2011		166,972	166,972	166,972	166,972	166,972	166,972	166,972	166,972
12/31/2012			0	0	0	0	0	0	0
12/31/2013				0	0	0	0	0	0
12/31/2014					0	0	0	0	0
12/31/2015						0	0	0	0
12/31/2016							0	0	0
12/31/2017								2,674,528	2,674,528
12/31/2018									4,196,858
Totals	19,461,446	19,628,418	19,628,418	19,628,418	19,628,418	19,628,418	19,628,418	22,302,946	26,499,804
LIFO RESERVE	0	-221,811	-221,811	-221,811	-221,811	-221,811	-3,641,954	-2,406,346	1,862,888
LIFO EXPENSE	0	-221,811	0	0	0	0	-3,420,143	1,235,608	4,269,234

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All Pools Combined Format

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LIFO INVENTORY HIS	TORY SCH	EDULE I	REPORT 17	,					
All Pools Combined									
Air roois combined	6/20/2011	12/31/2011	12/21/2012	12/21/2012	12/21/2014	12/21/2015	12/21/2016	12/21/2017	12/21/201
Current-year cost	37,545,767		38,367,753	38,794,803	39,423,637	39,256,453	35,720,785	43,182,306	52,051,24
Current yr. index	37,343,707	.987271	.956784	.981423	1.009272	.992147	.849609	1.079418	1.19040
Cumulative index		.567271	.550784	.581425	1.005272	.552147	.845005	1.07 5418	1.15040
Inventory at base	37,545,767	38,399,620	40,624,992	41,940,926	42,268,809	42,430,754	45,713,300	50,723,101	51,981,21
Change at base	37,545,767	853,853	2,225,372	1,315,934	327,883	161,945	3,282,546	5,009,801	1,258,11
Cum. inflator index	37,545,707	855,855	2,223,372	1,313,334	327,883	101,545	3,282,340	5,005,801	1,238,11
Change at LIFO cost	37,545,767	849,087	1,952,240	1,094,009	279,356	132,212	2,250,478	4,754,647	1,582,04
LAYERS AT BASE:	37,545,707	845,087	1,552,240	1,004,000	275,550	152,212	2,230,478	4,734,047	1,582,04
6/30/2011	37,545,767	37,545,767	37,545,767	37,545,767	37,545,767	37,545,767	37,545,767	37,545,767	36,655,59
12/31/2011	37,545,707	853,853	853,853	853,853	853,853	853,853	853,853	698,373	698,37
12/31/2012		855,855	2,225,372	2,225,372	2,225,372	2,225,372	2,225,372	2,225,372	2,225,37
12/31/2012			2,223,372	1,315,934	1,315,934	1,315,934	1,315,934	1,315,934	1,315,93
12/31/2013				1,313,334	327,883	327,883	327,883	327,883	327,88
12/31/2014					327,883	161,945	161,945	161,945	161,94
12/31/2015						101,545	3,282,546	2,316,772	1,966,55
12/31/2017							5,202,540	6,131,055	3,048,59
12/31/2018								0,131,033	5,580,97
Totals	37,545,767	38,399,620	40,624,992	41,940,926	42,268,809	42,430,754	45,713,300	50,723,101	51,981,21
LIFO LAYERS AT COST:	37,343,707	33,355,020	40,024,332	41,540,520	42,200,000	42,430,734	43,713,300	50,725,101	51,561,21
6/30/2011	37,545,767	37,545,767	37,545,767	37,545,767	37,545,767	37,545,767	37,545,767	37,545,767	36,655,59
12/31/2011	57,543,707	849,087	849,087	849,087	849,087	849,087	849,087	692,351	692,35
12/31/2012		0-5,087	1,952,240	1,952,240	1,952,240	1,952,240	1,952,240	1,952,240	1,952,24
12/31/2012			1,552,240	1,094,009	1,094,009	1,094,009	1,094,009	1,094,009	1,094,00
12/31/2013				1,054,005	279,356	279,356	279,356	279,356	279,35
12/31/2015					2, 5,550	132,212	132,212	132,212	132,21
12/31/2016						102,212	2,250,478	1,593,319	1,328,91
12/31/2017							2,200,470	5,568,542	2,674,52
12/31/2018								3,300,342	5,630,63
Totals	37,545,767	38,394,854	40,347,094	41,441,103	41,720,459	41,852,671	44,103,149	48,857,796	50,439,83
LIFO RESERVE	0	-484,034	-1,979,341	-2,646,300	-2,296,822	-2,596,218	-8,382,364	-5,675,490	1,611,40
LIFO EXPENSE	0	-484,034	-1,495,306	-666,960	349,479	-299,396	-5,786,146	2,706,874	7,286,89

32

Reporting – IPIC LIFO Calculation Summary Report (Rpt. 23)

Report 23S is a summary report by pool and in total showing the current year weighted average pool indexes by pool, prior and current year cumulative indexes, FIFO and LIFO inventory balances, LIFO reserve, and LIFO expense.

Lay IP	IC REP	ORTS FOR ABC Corporation									
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2	SUM	MARY OF IPIC LIFO INDEX CALCULATIONS BY PO	OL SUMMARY REP	ORT 23S							
3	FOR F	PERIOD ENDED Dec, 2019									
4											
5				Cumulative	Cumulative	Current					
6		POOL	CURRENT	Index	Index	Year Index	LIFO	LIFO	LIFO		
7	NO.	NAME	YEAR COST	12/31/2018	12/31/2019	12/31/2019	EXPENSE	INVENTORY	RESERVE		
8	1	Mechanical Tubing	28,362,691	1.065563	.979253	.919001	-2,297,349	28,797,153	-434,462		
9	2	Boiler (pressure) Tubing	548,331	1.047740	1.090714	1.041016	20,620	502,726	45,605		
10	3	Pipe	4,931,553	1.086719	.998714	.919018	-399,367	4,837,249	94,304		
11	4	Valves & Fittings	2,930,958	1.093840	1.098341	1.004115	10,981	2,668,533	262,425		
12	5	Stainless Pipe & Tubing	10,802,888	.868227	.790550	.910534	-966,491	12,288,762	-1,485,874		
13	6	Stainless Valve & Fittings	555,329	.931034	.936346	1.005705	3,150	576,894	-21,565		
14	7	Aluminum Pipe & Tubing	1,074,608	.793862	.789524	.994536	-5,872	1,251,104	-176,496		
15	8	Aluminum Valve & Fittings	17,229	.994626	1.003544	1.008966	154	17,168	61		
16	9	Cold finished bar	2,827,659	.880105	.811223	.921734	-221,310	3,355,731	-528,072		
17		Total/Averages	52,051,246			.925254	-3,855,484	54,295,321	-2,244,075		
18											
		ion rates are Dec 2019 PPI Prelim indexes divided									
20	IPIC d	ata file used for calculations:Y:\BLS-CorporateFile	es\Corporate\Reso	urces_White_Pa	pers\Work Files	\Item Detail Data	a Input Sheet Ter	mplateWLIFOPools	2018YE.xlsx-Data I	nput Sheet 20	18YE
21											
	•	nal IPIC Methods used:									
		Method used(BLS Weights used)?: 10% Method n									
24	U.S. E	Bureau of Labor Statistics inflation indexes source	: PPI Detailed Repo	orts Table 9							
	< ►	Report 23S Report 23 Report 24 Report 26									

Reporting – IPIC LIFO Calculation Detail Report (Rpt. 23)

Report 23 shows the details of the pool index calculations Using Harmonic Mean Weighting specified in the IRS Regs.

Report 23 – Most Detailed Category Method (non 10% Method)

Report 23 - Ten Percent Method

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2 DETAIL OF IPIC LIFO INDEX CALCULATIONS BY POOL	REPORT 23					
FOR PERIOD ENDED Dec, 2019						
					CATEGORY	HARMONIC
PPI CATEGORY		CATEGORY	YEAR-END	% OF POOL	INDEX	DOLLARS WEIGHTED
		NUMBER	BALANCE	INV.	REPORT 24	QUOTIENT
Plumbing fixtures, fittings, and trim		105402		0.01%	1.036657	359
2Fabricated metal pipe, tube, and fittings		105402	86,338		.981256	87,98
3Bolts, nuts, screws, rivets, and washers		1081	13,864		1.048927	13,217
4Metal valves, except fluid power		114902	566,016		1.018469	555.752
Metal pipe fittings, flanges, and unions		114903^	1,604,045		1.008966	1,589,79
Filters and strainers, except fluid power		11490805	16,482		1.036435	15,903
Gaskets and gasketing material		139801	15,473		1.004893	15,39
8 Pool 4 Totals/Weighted average pool index			2,930,958	100.00%	1.004115	2,918,94
3					Pool index	
POOL NUMBER:5 Stainless Pipe & Tubing						
Steel mill products		1017	133,390	1.23%	.844695	157,91
2Hot rolled steel sheet and strip, including tin mill pro	oducts	101703^	46,804	0.43%	.747170	62,64
3Hot rolled steel bars, plates, and structural shapes		101704	907,336		.844588	1,074,294
4Steel pipe and tube		101706	9,688,308		.919009	10,542,12
Extruded aluminum rod, bar, and other extruded s	hapes	10250162	27,049		.988105	27,37
5 Pool 5 Totals/Weighted average pool index			10,802,888	100.00%	.910534	11,864,34
7					Pool index	
B POOL NUMBER:6 Stainless Valve & Fittings						
9Pressure and soil pipe & fittings, cast iron		101502		12.24%	.982673	69,18
0Fabricated metal pipe, tube, and fittings		107411^		0.50%	.981256	2,83
LMetal valves, except fluid power		114902	10,401		1.018469	10,21 469,94
2Metal pipe fittings, flanges, and unions		114903^	474,158		1.008966	
Pool 6 Totals/Weighted average pool index			555,529	100.00%	1.005705 Pool index	552,179
POOL NUMBER:7 Aluminum Pipe & Tubing					FOOTINGEX	
5Extruded aluminum rod, bar, and other extruded s	hanes	10250162	490,506	45 65%	.988105	496,411
Aluminum extruded and drawn pipe and tube	hapes	10250163	584,102		1.000000	584,10
Pool 7 Totals/Weighted average pool index			1,074,608		.994535	1,080,51
9			_,,		Pool index	_,,-
POOL NUMBER:8 Aluminum Valve & Fittings						
 Metal pipe fittings, flanges, and unions 		114903^	17,229	100.00%	1.008966	17,076
2 Pool 8 Totals/Weighted average pool index			17,229	100.00%	1.008966	17,07
3					Pool index	
POOL NUMBER:9 Cold finished bar						
5Hot rolled steel sheet and strip, including tin mill pro	oducts	101703^	11,989	0.42%	.747170	16,045
5Hot rolled steel bars, plates, and structural shapes		101704	669,194		.844588	792,332
7Steel pipe and tube		101706		0.17%	.919009	5,34
3Cold finished steel bars and bar shapes		101708^	2,141,179		.950094	2,253,64
Extruded aluminum rod, bar, and other extruded s	hapes	10250162		0.01%	.988105	393
Pool 9 Totals/Weighted average pool index			2,827,659	100.00%	.921734	3,067,76
GRAND TOTAL INVENTORY DOLLARS			F0.0F1.046		Pool index	
	hu Des 2019 Dealing in date	s as shown on Pencet 24	52,051,246			
Inflation rates are Dec 2019 PPI Prelim indexes divided IPIC data file used for calculations:Y:\BLS-CorporateFile			m Detail Data Inn	ut Sheet T	emplateW/UEO	
IPIC data file used for calculations:Y:\BLS-CorporateFile	es (componate (Resources_Wr	inte_rapers\work riles\ite	en Detan Data Inp	us sneet to	inplatewillFOR	-001520161E.XI
^This category subsumes a more detailed PPI category	but it is not listed because t	here is a single such cates	ory and			
the inflation rate is identical to this category's and no S		increase a single sould categ	, or y and			
▲ ► ► Report 23S Report 23 Report 24 /	í.					

Coom % 85 ÷ A515 ▼Steel pi	% 85 ÷ A515 ▼Steel pipe and tube, alloy									
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1 ABC Corporation				8/10/2020 2:18:4	8 PM					
2 DETAIL OF IPIC LIFO INDEX CALCULATIONS BY POOL REPORT 23										
3 FOR PERIOD ENDED Dec, 2019										
4			CURRENT				INDEX		CATEGORY	HARMONIC
5		2018	YEAR	YEAR-END	% OF	INDEX	CATEGORY	BLS	INDEX	DOLLARS
6PPI CATEGORY 7NAME	CATEGORY	BLS WEIGHT	INFLATION	INVENTORY	POOL	CATEGORY	LINE	WEIGHTED	FROM	WEIGHTED
15Steel pipe and tube, alloy	NUMBER 10170673		INDEX nt in Inventor	BALANCE	INV.	TOTAL	NUMBER	EXTENSION	REPORT 24	QUOTIENT
15Steel pipe and tube, alloy 16Steel pipe and tube, stainless steel	10170674		nt in Inventor nt in Inventor							
17Cold rolled steel sheet and strip	101707^		resent in Inve							
18Cold finished steel bars and bar shapes	101708^	Noti	.950094		75.72%	2,141,179	101708		.950094	2,253,6
19Electrometallurgical ferroalloy products	101712^	Not P	resent in Inve	, , ,	13.72.70	2,242,275	101/00		.550054	2,255,6
20 -Nonferrous metals	102									
21Nonferrous metal ores	1021	Not P	resent in Inve	ntory						
22Primary nonferrous metals	1022		resent in Inve							
23Nonferrous scrap	1023		resent in Inve	,						
24Secondary nonferrous metals	1024		resent in Inve	,						
25Nonferrous mill shapes	1025			-						
26Aluminum mill shapes	102501									
27Aluminum sheet and strip	10250105	Not P	resent in Inve	ntory						
28Extruded aluminum rod, bar, and other extruded shapes	10250162	.111	.988105	387	0.01%		REMAINING	.109680		
29Aluminum extruded and drawn pipe and tube	10250163	Not P	resent in Inve	ntory						
30Copper and brass mill shapes	102502	Not P	resent in Inve	ntory						
31Nickel and nickel-base alloy mill shapes	102504	Not P	resent in Inve	ntory						
32Titanium and titanium-base alloy mill shapes	102505	Not P	resent in Inve	ntory						
33Other nonferrous mill shapes	102519	Not Present in Inventory								
34Nonferrous wire and cable	1026	Not P	resent in Inve	ntory						
35Nonferrous forge shop products	1027	Not P	resent in Inve	ntory						
36Nonferrous foundry shop products	1028		resent in Inve							
37 -Metal containers	103		resent in Inve							
38 -Hardware	104		resent in Inve							
39 -Plumbing fixtures and fittings	105		resent in Inve							
40 -Heating equipment	106	Not Present in Inventory								
41 -Fabricated structural metal products	107	Not Present in Inventory								
42 -Miscellaneous metal products	108		resent in Inve							
43 SUM OF REMAINING ITEMS		.980			0.61%	17,286		.808804	.825310	20,9
44 Pool 9 Totals/Weighted average pool index				2,827,659	100.00%	2,827,659			.921985	3,066,9
46 GRAND TOTAL INVENTORY DOLLARS	shown on Depart 24			52,051,246						
47 Inflation rates are Dec 2019 PPI Prelim indexes divided by Dec 2018 Prelim indexes as		Deta'' f	Data Inc. 4	at Tampintation	ODeelecco	INF where Describe		1045		
48 IPIC data file used for calculations:Y:\BLS-CorporateFiles\Corporate\Resources_White_	Papers\Work Files\Ite	em Detail l	Data Input Sh	eet TemplatewLiF	OPools20.	18YE.xisx-Data in	put sheet 20	1845		
49 Tickmark legend for 10% method calculations shown above:										
50 A \$ sign following Index Category Line Number column references indicates to which 1			lied up to no	wever						
51 an index for a less detailed category is used because all items comprising such category				double counting						
52 ~ This category is treated as an index category and no BLS Weights for this category are 53 BLS Weights because the BLS Weights for this category includes BLS Weights for less d										
54]The row above that with the [tickmark is treated as an index category even though th				ACEVIICS.						
55 than 10% of the pool total because either those FIFO \$s combined with the FIFO \$s on		-		of						
56 the pool total or because this category is the least detailed category within this PPI Ger		and a constant	20.0 OF HIDIE							
57 [A second row for this category is printed because there are two index categories for t		ne which i	s a 10% categ	orv						
58 (the more detailed FIFO \$s that roll up to this category are greater than 10% of the poo										
59 footnote above.	. totaly and the other		is accented in							
60 This category subsumes a more detailed PPI category but it is not listed because there	is a single such cated	iony and								
This concessity subsulties a more detailed Princategory but it is not listed because there	is a single such categ	, or y arru								

I I I Report 23S Report 23 Report 24 Report 26 /

Reporting – IPIC LIFO Index Detail Report (Rpt. 24)

Report 24 shows the current and prior year inflation indexes and calculation of current year inflation index for all BLS categories that are used in the Report 23 weighted average pool inflation index calculation

<u>File</u> <u>Edit</u> Save IPIC Reports as <u>Excel</u> File <u>H</u> elp					
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A	В	С	D	E	F
1 ABC Corporation			8/10/2020	2:48:49 PM	
2 DETAIL OF IPIC LIFO INFLATION INDEXES REPORT 24					
3 FOR PERIOD ENDED Dec, 2019					
4		Prelim	Prelim	CUR YEAR	
5		BLS INDE	XES	INFLATION	
6PPI CATEGORY	CATEGORY	Dec	Dec	INDEX	
7NAME	NUMBER	2019	2018	To Report 23	
36Filters and strainers, except fluid power	11490805	159.3	153.7	1.036435	INDEX USE
37Gaskets and gasketing material	139801	225.9	224.8	1.004893	INDEX USE
38					
39					
10 POOL NUMBER:5 Stainless Pipe & Tubing					
11Steel mill products	1017	187.1	221.5	.844695	INDEX USE
12Hot rolled steel sheet and strip, including tin mill products	101703^	118.8	159.0	.747170	INDEX USE
13Hot rolled steel bars, plates, and structural shapes	101704	182.6	216.2	.844588	INDEX USE
44Steel pipe and tube	101706	274.6	298.8	.919009	INDEX USE
15Extruded aluminum rod, bar, and other extruded shapes	10250162	116.3	117.7	.988105	INDEX USE
16					
17					
18 POOL NUMBER:6 Stainless Valve & Fittings					
49Pressure and soil pipe & fittings, cast iron	101502	397.0	404.0		INDEX USE
50Fabricated metal pipe, tube, and fittings	107411^	104.7	106.7		INDEX USE
51Metal valves, except fluid power	114902	341.9	335.7		INDEX USE
52Metal pipe fittings, flanges, and unions	114903^	315.1	312.3	1.008966	INDEX USE
53					
54					
55 POOL NUMBER:7 Aluminum Pipe & Tubing					
56Extruded aluminum rod, bar, and other extruded shapes	10250162	116.3	117.7		INDEX USE
57Aluminum extruded and drawn pipe and tube	10250163	107.3	107.3	1.000000	INDEX USE
58					
50 POOL NUMBER:8 Aluminum Valve & Fittings					
51Metal pipe fittings, flanges, and unions	114903^	315.1	312.3	1.008966	INDEX USE
52					
54 POOL NUMBER:9 Cold finished bar	1017024	110.0	150.0	747170	
55Hot rolled steel sheet and strip, including tin mill products	101703^	118.8	159.0		INDEX USE
56Hot rolled steel bars, plates, and structural shapes	101704	182.6	216.2 298.8		INDEX USE
Steel pipe and tube Cold finished steel hers and her shapes	101706	274.6			INDEX USE
58Cold finished steel bars and bar shapes	101708^	201.8	212.4		INDEX USE
59Extruded aluminum rod, bar, and other extruded shapes	10250162	116.3	117.7	.988105	INDEX USE
70 71 IBIC data file used for colsulations:V\\BLS_CorporataFiles\Corporata\Becourses_\Whit	Donors\\Mark File-\	om Dotail D	to Incut Cl	oot Tomplate	
1 IPIC data file used for calculations:Y:\BLS-CorporateFiles\Corporate\Resources_Whit	e_eapers\work Files\it	ein vetall Da	ica input Sf	ieet remplate	VV LIFOPOOL

Report 23 Report 23 Report 24 Report 26

Reporting – Discontinued & Recoded BLS Categories Report (Rpt. 25)

Report 25 shows the PPI categories assigned to inventory balances on the Excel input schedule which have been discontinued or recoded along with the automatic category reassignments made by the LIFOPro software

Lø I	PIC REPORTS FOR ABC Corporation					
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	А	В	С	D	E	F
1	ABC Corporation			8/8/2020 5:14	4:51 PM	
2	PPI CATEGORY REASSIGNMENTS REQUIRED FOR DISCONTINUED CATEGORIES REL	PORT 25				
3	FOR PERIOD ENDED SEP, 2020					
4						_
5	REPLACEMENT PPI CATEGORY		REPLACED(DISCONTINUED) PPI CATEGORY		DATE	FIFO \$S
6	NAME	NUMBER	NAME	NUMBER	DISCON'D	ASSIGNED
7	All other miscellaneous fabricated textile products	038303516	Fabricated flags, banners, and similar emblems	038303513	10/2018	329
8	All other miscellaneous fabricated textile products	038303516	Fabricated textile products, incl sleeping bags, parachutes, indust. shop twls and carp	038303515	10/2018	303
9	Other biological products, excluding diagnostic, for human use	06371903	Other biologics, except diagnostics, for human use	06371405	8/2019*	493
10	Stationery	09150658	Stationery, tablets and related products	09150656	8/2019*	3,874
11	Fasteners, zippers, buttons, needles, pins, and buckles (except precious metal)	15320100	Buckles, non-slide fasteners, needles, and pins	15320103	10/2018	209
12						
13	The PPI category replacements listed above were made on Reports 23 & 24. The cate	gories subject to	replacement on those reports have			
14	the @ symbol suffix in their PPI code. FIFO balances should not be assigned to the dis	continued categ	ories in the future.			
15	Categories discontinued but no reassignment made because there is more than one	PPI category th	at could be used in its place:			
16	Manual reassignment of category(s) are required for these on the Excel input sched	ule listing FIFO l	balances by PPI category			
17	Disinfectants, nonagricultural, industrial and institutional	067201051	Household bleaches, disinfectants, and laundry fabric softeners	067201049	6/2017	404
18	Laundry fabric softeners and rinses, liquid and dry	067201058	Household bleaches, disinfectants, and laundry fabric softeners	067201049	6/2017	
19	Other specialty cleaning and sanitation products	067201059	Household bleaches, disinfectants, and laundry fabric softeners	067201049	6/2017	
20						
21	* PPI codes that appear on this report with a 8/2019 discontinued date are codes whi	ch never appear	ed in the PPI Detailed Report Tables 18, 19 or 20 published by the BLS which specify co	odes the BLS de	esignate as new	, discontinued
22	(deleted is the BLS term) or recoded but which are designated as discontinued codes	in the BLS datab	base file showing all PPI codes they consider to be discontinued. The 8/2019 date is no	t a date at whic	ch the BLS publi	shed a Table 20
23	showing discontinued PPI codes; this is the date LIFO-PRO, Inc. has given these codes	considered to b	e discontinued by the BLS but which never appeared in Table 20 of a PPI Detailed Repo	ort.		
M	▲ ► ► Report 23S Report 23 Report 24 Report 25 Report 26					

Reporting – IPIC Pooling Method 5% Test Report (Rpt. 26)

Report 26 shows the IPIC pooling method 5% test proof for which of the 15 PPI 2-digit commodity groups or 8 CPI major expenditure groups are to be LIFO pools based on inclusion of 5% or more of total inventory.

<u>F</u> ile	Edit Save IPIC Reports as Excel	File <u>H</u> elp			
Zoom	% 85 ÷ F51	-			
A	В	С	D	E	F
	Corporation		8/10/2020		1
	FORMA POOLS THAT WOULD RESULT FROM USING TH	E IPIC POOLING METH	OD REP	ORT 26	
3 FOR	PERIOD ENDED DEC, 2019				
4					
5 CUR	RENT-YEAR COST FOR EXISTING LIFO POOLS:				
6 1	Mechanical Tubing	28,362,691	54.5%		
7 2	Boiler (pressure) Tubing	548,331	1.1%		
8 3	Pipe	4,931,553	9.5%		
9 4	Valves & Fittings	2,930,958	5.6%		
10 5	Stainless Pipe & Tubing	10,802,888	20.8%		
11 6	Stainless Valve & Fittings	555,329	1.1%		
12 7	Aluminum Pipe & Tubing	1,074,608	2.1%		
13 8	Aluminum Valve & Fittings	17,229	.0%		
14 9	Cold finished bar	2,827,659	5.4%		
15	Total	52,051,246	100.0%		
16					
17					
18 CUR	RENT-YEAR COST FOR EACH PPI 2-DIGIT CODES:				
19 NO	PPI 2-DIGIT CODES				
20 1	Farm products(01)	0			
21 2	Processed food(02)	0			
22 3	Textile products & apparel(03)	0			
23 4	Leather products(04)	0			
24 5	Fuels(05)	0			
25 6	Chemical & allied products(06)	0			
26 7	Rubber & plastic products(07)	35,291	.1%		
27 8	Lumber & wood products(08)	0			
28 9	Paper products(09)	0			
29 10	Metal & metal products(10)	49,311,699	94.7%		
30 11	Machinery & equipment(11)	2,688,783	5.2%		
31 12	Furniture & household durables(12)	0			
32 13	Nonmetallic mineral products(13)	15,473	.0%		
33 14	Transportation equipment(14)	0			
34 15	Miscellaneous products(15)	0			
35	Total	52,051,246	100.0%		
36					
37					
	POOLS FOR EACH PPI 2-DIGIT CODE WITH > 5% OF TOT.	AL CURRENT-YEAR COS	T:		
39 NO	PPI 2-DIGIT CODES				
40 1	Metal & metal products(10)	49,311,699	94.7%		
41 2	Machinery & equipment(11)	2,688,783	5.2%		
42 3	All other(< 5%) pool	50,764	.1%		
43	Total	52,051,246	100.0%		
44					
45					
	POOLS FOR EACH PPI 2-DIGIT CODE WITH > 5% OF TOT.	AL CURRENT-YEAR COS	T & ALL OT	HER POOL	COMBINE
47 NO	PPI 2-DIGIT CODES				
48 1	Metal & metal products(10) & All other(< 5%)	49,362,463	94.8%		
49 2	Machinery & equipment(11)	2,688,783	5.2%		
50	Total	52,051,246	100.0%		L



Reporting – LIFO Projections Report (Rpt. 1)

Report 1 shows the next year LIFO expense (income) amounts that would result from the range of year end inventory balances shown in the leftmost column and the range of inflation indexes shown on the sixth row.

LP	REPORT 1 (Ra	ange of Inv. Le	vels and Index	es for One P	ool)							- 0	\times	
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		on mical Tubing (pressure) Tu				<u>_</u>	Values — Year FIFO			28,362,691				
	Pool 3 Pipe Pool 4 Valves	u ,	2				FIFO Valu		,	20,000,000				
		ess Valve & F				- FIFO) Value Inc	rements:	[1,000,000				
	Beeeleul					-	x Values: -			015				
Recalculate LIFO Values Print Report						Year Index	C.	,	1. 215 .97			_		
		м	ain Menu			Inde	x Incremen	ts:	ĺ	.01				
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	C Corporati						8/10/2020 1							
		ION REPOR					& INDEXES	REPORT	1					
РК	OJECTION	OR:12/31/20	19 For Po	ol 1 Mech	anical lubi	ng								
	FIFO		FO EXPENS					POW						
	VALUES	.97	.98	.99	1.00	1.01	1.02	1.03	1.04	1.05	1.06			
		-1,212,804		-821,897		-446,471		-85,625	89,594	261,475	430,113			
	21,000,000		-912,189	-733,981	-559,339	-375,065	-184,348	3,239	187,218	367,693	544,763		L	
	22,000,000		-752,312	-565,618		-203,321	-27,500	144,906	313,998		659,599			
	23,000,000		-592,435	-397,255		-203,321	165,323	345,566	522,343	695,753	865,891			
	24,000,000		-489,796	-242,424		166,341		546,226						
							358,146		730,689	911,639	1,089,174			
	25,000,000		-510,204	-252,525		247,525		728,155	939,035		1,312,456			
	26,000,000		-530,612	-262,626		257,426		757,282			1,471,698			
	27,000,000		-551,020	-272,727			529,412	786,408						
	28,000,000		-567,254	-282,828		277,228	549,020	815,534					[•
	29,000,000		-567,254	-283,627	0	283,627	567,254	844,660	1,115,385		1,641,510			
	30,000,000		-567,254	-283,627	0	283,627	567,254	850,881	1,134,508					
	31,000,000		-567,254	-283,627		283,627	567,254	850,881						
	32,000,000		-567,254	-283,627			567,254	850,881						
	33,000,000		-567,254	-283,627		283,627	567,254	850,881						
	34,000,000		-567,254	-283,627		283,627	567,254	850,881						
	35,000,000		-567,254	-283,627		283,627	567,254	850,881	1,134,508					
	36,000,000		-567,254	-283,627	0	283,627	567,254	850,881						
	37,000,000		-567,254	-283,627	0		567,254	850,881						
	38,000,000		-567,254	-283,627	0	283,627	567,254	850,881	1,134,508					
	39,000,000		-567,254	-283,627	0		567,254	850,881	1,134,508					
	40,000,000		-567,254	-283,627		283,627	567,254	850,881						
	41,000,000		-567,254	-283,627			567,254	850,881			1,701,762			
	42,000,000		-567,254	-283,627		283,627	567,254	850,881						
	43,000,000		-567,254	-283,627		283,627	567,254	850,881						
	44,000,000	-850,881	-567,254	-283,627	0	283,627	567,254	850,881	1,134,508	1,418,135	1,701,762			
		ance at 12/3 [,] ear LIFO inde												
12	31/2019 Mini	mum FIFO b	alance requir	biove of her	LIEO Javar a	rosione								
12/	5 // ZU 15 WIIII					28,646,318	28 020 045	20 212 572	20 407 100	20 700 926	20.064.452			

LIFOPro software automatically calculates first FIFO value, FIFO increments, index value & index increments to be shown on the projection report. User can change these values using the text boxes to the left.

Using Company's historical LIFO calculation data, LIFOPro software automatically calculates next year's projected LIFO expense (income) amounts that would occur based on the intersecting FIFO balances & index values shown in column A & row 6. For example, the report projects \$1.4m of LIFO expense for a FIFO balance of \$30m & index of 1.05 (index of 1.05 represents 5% inflation. Index of .97 represents 3% deflation).

The balances at the bottom of the report show the minimum FIFO inventory balances required to prevent layer erosion effect LIFO income based on the corresponding row 6 index values.

I ► Report 1 /

Reporting: Consolidated Reports (Report 18c & 18s)

Reports can be consolidated for the following purposes:

- **Companies requiring separate calculations for multiple entities or locations**
- **Companies requiring separate Book & Tax LIFO calculations**

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COMPANY TOTALS ONLY Consolidated Data Folder: Y:\LIFOPRO1\SAMPL			TION\I PDataFiles\	ink-Chain\ABC	D CorporationCo	nsolidatedExam									
		CURRENT	noniel batar licor	THIS YEAR	PRIOR YEAR										
	CURRENT	DEFLATOR	LIFO	LIFO	LIFO	LIFO									
COMPANY NAME	YEAR COST	INDEX	INVENTORY	RESERVE	RESERVE	EXPENSE									
ABCD Corporation 12/31/2019	54,426,606	1.012487	51,101,399	3,325,207	2,732,653	592,554									
Subsidiary B Corporation 12/31/2019	38,372,890	1.163882	19,391,900	18,980,990											
Subsidiary C Corporation 12/31/2019	38,800,789	1.084741	22,037,541	16,763,248	13,735,898	3,027,350									
Subsidiary D Corporation 12/31/2019	30,000,000	1.133031	24,232,335	5,767,665	2,245,327	3,522,338									
Grand total	161,600,285	1.084767	116,763,174	44,837,111	32,449,776	12,387,335									

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4 1	Pool Detail V Company Totals On									
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			CURRENT	CUMLTV	CUMLTV		THIS YEAR	PRIOR YEAR		
POOL		CURRENT	DEFLATOR	DEFLATOR	INFLATOR	LIFO	LIFO	LIFO	LIFO	
NO.	POOL NAME	YEAR COST	INDEX	INDEX	INDEX	INVENTORY	RESERVE	RESERVE	EXPENSE	. 1
ABCD	Corporation 12/31/2019 Data path:Y:\LIFOP									7
1	Mechanical Tubing	27,887,272	1.009536		E 1.092744	25,378,564	2,508,708	2,245,327	263,381	
2	Boiler (pressure) Tubing	608,153	.997030		E 1.173188	518,377	89,776	93,726	-3,950	
	Pipe	7,268,287	1.030329	1.036243	1.036243	6,824,449	443,838	272,415	171,424	
4	Valves & Fittings	3,099,123	1.020561		E 1.181798	2,622,380	476,743	432,794	43,949	
5	Stainless Pipe & Tubing	10,592,126	1.000191	.898918	.898918	10,776,063	-183,937	-185,925	1,988	
6	Stainless Valve & Fittings	568,827	.994897	1.074540	1.074540	526,066	42,761	45,549	-2,788	
7	Aluminum Pipe & Tubing	1,282,584	1.093592	.922729	.922729	1,313,337	-30,753	-124,550	93,798	
8	Aluminum Valve & Fittings	20,473	1.376242		E 1.210912	16,907	3,566	-2,423	5,989	
9	Cold finished bar	3,099,761	1.006099	.968842	.968842	3,125,258	-25,497	-44,260	18,762	
	Totals/avg.	54,426,606	1.012487			51,101,399	3,325,207	2,732,653	592,554	
Subsi	liary B Corporation 12/31/2019 Data path:Y:									
1	Copper pipe & Tube	31,542,890	1.191301		E 12.432570		15,493,833	10,428,621	5,065,213	
2	Aluminum plate & sheet	130,000	.285955		E 3.896157	41,258	88,742	563,530	-474,789	
3	Alloys	6,700,000	1.109740	22.848070	21.009660	3,301,585	3,398,416	2,743,747	654,669	
	Totals/avg.	38,372,890	1.163882			19,391,900	18,980,990	13,735,898	5,245,093	
Subsk	liary C Corporation 12/31/2019 Data path:Y: Cold Finished Bar			11.599060			13.536.727	10.428.621	3.108.106	
1		31,000,000								
2	Hot rolled sheet	6,500,789	10.428000	142.082100			6,440,210	563,530	5,876,679	
3	Stainless tubing	1,300,000 38,800,789	1.084741	3.689545	20.628210	4,513,688 22,037,541	-3,213,688 16,763,248	2,743,747	-5,957,435	
Cubai	Totals/avg. liary D Corporation 12/31/2019 Data path:Y:			INDEX CAL						
SUDSK	Mechanical Tubing	30.000.000	1.133031		E 1.226422	24.232.335	5.767.665	2.245.327	3,522,338	
<u> </u>	Totals/avg.	30,000,000		1.220422	E 1.220422	24,232,335	5,767,665	2,245,327	3,522,338	
L	Grand total	161.600.285	1.084767			24,232,335	44.837.111	2,245,327	12,387,335	
L	Grand total	101,600,265	1.004/0/			110,763,174	44,037,111	32,449,776	12,307,335	4

Separate Book & Tax LIFO Calculations

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		CURRENT		THIS YEAR	PRIOR YEAR		
	CURRENT	DEFLATOR	LIFO	LIFO	LIFO	LIFO	
COMPANY NAME	YEAR COST	INDEX	INVENTORY	RESERVE	RESERVE	EXPENSE	
ABC Corporation Book LIFO 12/31/2018	54,179,434		51,446,781	2,732,653		8,408,143	
ABC Corporation Tax LIFO 12/31/2018	54,179,434	1.210060	36,564,032	17,615,402	9,548,437	8,066,965	
Grand total	108,358,868	1.211945	88,010,813	20,348,055	3,872,947	16,475,108	
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n 85 %				Р	rint Report	Main M	enu	
J32								_
/ Pool Detail V Company Totals On								
OLIDATED REPORT 18								
AL YEAR-END LIFO CALCULATION SUMM	ARY REPORT	18c			7/22/2019 12:40:	01 PM		
DETAIL								
lidated Data Folder: Y:\LIFOPRO1\Sample Inte	rnai index Calcula	CURRENT	CUMI TV			THIS YEAR	PRIOR YEAR	
	CURRENT	DEFLATOR		INFLATOR	LIFO	LIFO	LIFO	
POOL NAME	YEAR COST	INDEX	INDEX	INDEX	INVENTORY	RESERVE	RESERVE	
orporation Book LIFO 12/31/2018 Data path	:Y:\LIFOPRO1\Sar	mple Internal I	ndex Calcula	tion\LPDataF	iles\Double-Exten	sion\Book\		—
Mechanical Tubing	29,669,116	1.233787	1.082422	1.082400	27,423,789	2,245,327	-2,406,346	
Boiler (pressure) Tubing	624,203	1.171420	1.176682	E 1.176682	530,477	93,726	3,688	
Pipe	5,652,128			E 1.005740	5,379,713	272,415		
Valves & Fittings	3,172,199			E 1.157988	2,739,405	432,794	153,592	
Stainless Pipe & Tubing	10,411,352		.898746	.898700		-185,925		
Stainless Valve & Fittings	546,307	1.212152	1.080051	1.080100		45,549	-43,584	
Aluminum Pipe & Tubing	1,002,199			E .843760	1,126,749	-124,550	-215,263	
Aluminum Valve & Fittings	25,620		.879868		28,043	-2,423	-982	
Cold finished bar	3 076 310	1 235982	962969	F 962969	3 120 570	-44 260	-629 906	1 -

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987,9

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LIFO EXPENSE 4,651,67 90,03 624,02 279.20 1,999,154 89,133 90.71 -1,441

8,408,143

4 698 98

-154,036 571,743 316,248

103,459 46 753

-8,557

491,18

8,066,965

16 475 108

2,001,188

Reporting: Consolidated Reports

đ

- Use either of the two options to access the consolidated reporting module:
 - Select the Combined Report 18 button from the Company Selection Menu screen
 - Select the Report 18c Consolidated Companies button from the Main Menu screen

OMPANY SELECTION MENU - [Company Selection Menu]	REPORT 18 CONSOLIDATION SELECTION			
pecify Top Level Data Path <u>R</u> efresh Screen <u>C</u> ombined Report 18	Help			
	Back	Run Report from Saved Companies List		Exit System
OR	Select (click on) the F	older below that includes all the Com	panies you v	want to Combine
MAIN MENU	- Y:			
	- LIFOPRO1			
Specify Top Level Data Path Print Standard Reports Automatically Save Log	- SAMPLE IPIC CALCUL	ATION		
ABC Corporation	- LPDataFiles			
	- Double-Extension			
Hata Path = Y:\LIFOPRO1\SAMPLE IPIC CALCULATION\FirstYearOnLIFO\	Book ABC CO	RPORATION BOOK LIFO - 12/31/2019		
	Tax ABC COR	PORATION TAX LIFO - 12/31/2018		
COMPANY SELECTION Select different company (Compa	FirstYearOnLIFO -	- ABC CORPORATION - 12/31/2018		
Select different company (Compa	- Link-Chain			
HISTORICAL DATA REPORTS(12/31/2017 to 12/31/2018)	- Sample Company	/ Separate Book Tax		ser selects folder ontaining one of the
Report 16-All years, by pool	Book ABC C	ORPORATION BOOK LIFO - 12/31/2019		llowing types of
Report 16a-All years, by pool		RPORATION TAX LIFO - 12/31/2019		bfolders:
Report 17-All years, by pool	- Sample Parent S		1)	separate Book & Tax
Report 18-All pools, by year		NT CORPORATION - 12/31/2019		FO calculations
Report 18a-All pools, by year		SUBSIDIARY A CORPORATION - 12/31/2019		Multiple LIFO
Report 18c-Consolidated Companies		SUBSIDIARY B CORPORATION - 12/31/2019		lculations for related Itities
	Subsidiary C	SUBSIDIARY D CORPORATION - 12/31/2019	en	

Reporting: Consolidated Reports

- Use either of the two options to access the consolidated reporting module:
 - Select the Combined Report 18 button from the Company Selection Menu screen
 - Select the Report 18c Consolidated Companies button from the Main Menu screen

	port Year Selection - [CONSOLIDATED R		ECTION]				
	ct continue to view/pri solidated LIFOPro repo	'	Print He	elp			
Continue	Run Consolidated Report	18	ections from li	st at left char	ige years to b	e used for al	l companies listed.
Back	Next period to be closed Last period closed Last period closed minus 1 Last period closed minus 2	ear	lier year or rigt	nt(->) button f	or later year f	or the compa	ng left spin button(<-) below for any on which the cursor is on. ge for which layers exist, they will be
	Last period closed minus 3	✓ exc	luded from the	e report.			<
		Earliest Base	Latest Base	Last Year	Next Year to be	Period to be	
Company Name	2	Year	Year	Closed	Closed	Printed	Next Year to be Closed LIFO Inputs file name
Parent Corporat	tion	6/30/2011	6/30/2011	12/31/2019	12/31/2020	12/31/2019	act12_20.prn
Subsidiary A Co	rporation	12/1/1945	12/1/1945	12/31/2019	12/31/2020	12/31/2019	act12_20.prn
Subsidiary B Co	rporation	12/1/1945	12/1/1945	12/31/2019	12/31/2020	12/31/2019	act12_20.prn
Subsidiary C Co	rporation	6/30/2011	6/30/2011	12/31/2019	12/31/2020	12/31/2019	act12_20.prn

Calculations/companies to be consolidated into a single LIFOPro report

Period that the LIFOPro report will be closed through (prior or future period may be selected)

CONSOLIDATED REPORT 18						
Edit Save Report 18s as Excel File Help						
Zoom % 85 🔆 A14 👻			Print Report	Main Menu		
COMBINED REPORT 18						
ACTUAL YEAR-END LIFO CALCULATION SUMMARY REPORT 18	с					
COMPANY TOTALS ONLY						
		CURRENT		THIS YEAR	PRIOR YEAR	
	CURRENT	DEFLATOR	LIFO	LIFO	LIFO	LIFO
COMPANY NAME	YEAR COST	INDEX	INVENTORY	RESERVE	RESERVE	EXPENSE
Parent Corporation 12/31/2019	54,426,606	1.012487	51,101,399	3,325,207	2,732,653	592,55
Subsidiary A Corporation 12/31/2019	38,372,890	1.163882	19,426,314	18,946,576	13,735,898	5,210,67
Subsidiary B Corporation 12/31/2019	35,763,712	0.999834	22,037,540	13,726,172	13,735,898	-9,72
	29,000,000	1.010000	26,467,543	2,532,457	2,245,327	287,12
Subsidiary C Corporation 12/31/2019						

CONSOLIDATED REPORTS SCREEN

	t Save Report 18s as <u>Excel File</u> <u>H</u> elp								
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COM	BINED REPORT 18								
	AL YEAR-END LIFO CALCULATION SUM	AMARY REPOR	RT 18c		7/3/2020 10:	28:02 AM			
POO	L DETAIL								
			CURRENT	CUMLTV	CUMLTV		THIS YEAR	PRIOR YEAR	
2001		CURRENT		DEFLATOR	INFLATOR	LIFO	LIFO	LIFO	LIFO
NO.	POOL NAME	YEAR COST	INDEX	INDEX	INDEX	INVENTORY	RESERVE	RESERVE	EXPENSE
Pare	nt Corporation 12/31/2019 Data path:								
1	Mechanical Tubing	27,887,272	1.009536		E 1.092744	25,378,564	2,508,708	2,245,327	263,38
2	Boiler (pressure) Tubing	608,153	0.997030		E 1.173188	518,377	89,776	93,726	-3,95
3	Pipe	7,268,287	1.030329		1.036243	6,824,449	443,838	272,415	171,42
4	Valves & Fittings	3,099,123	1.020561		E 1.181798	2,622,380	476,743	432,794	43,94
5	Stainless Pipe & Tubing	10,592,126	1.000191	0.898918		10,776,063	-183,937	-185,925	1,98
6	Stainless Valve & Fittings	568,827	0.994897		1.074540	526,066	42,761	45,549	-2,78
7	Aluminum Pipe & Tubing	1,282,584	1.093592	0.922729		1,313,337	-30,753	-124,550	93,79
8	Aluminum Valve & Fittings	20,473	1.376242		E 1.210912	16,907	3,566	-2,423	5,98
9	Cold finished bar	3,099,761	1.006099	0.968842	.968842	3,125,258	-25,497	-44,260	18,76
	Totals/avg.	54,426,606	1.012487			51,101,399	3,325,207	2,732,653	592,55
Subs	diary A Corporation 12/31/2019 Data								
1	Copper pipe & Tube	31,542,890			E 12.432560	16,049,068	15,493,822	10,428,621	5,065,20
2	Aluminum plate & sheet	130,000			E 3.896157	41,258	88,742	563,530	-474,78
3	Alloys	6,700,000	1.109740	22.848082	22.848082	3,335,988	3,364,012	2,743,747	620,26
	Totals/avg.	38,372,890	1.163882			19,426,314	18,946,576	13,735,898	5,210,67
	diary B Corporation 12/31/2019 Data								
1	Cold Finished Bar	27,887,272	0.999834		E 10.43439;	17,463,273	10,423,999	10,428,621	-4,62
2	Hot rolled sheet	608,153			E 13.291871	60,579	547,574	563,530	-15,95
3	Stainless tubing	7,268,287	1.001920	20.628210	20.628210	4,513,688	2,754,599	2,743,747	10,85
	Totals/avg.	35,763,712				22,037,540	13,726,172	13,735,898	-9,72
Subs	diary C Corporation 12/31/2019 Data								
1	Mechanical Tubing	29,000,000	1.010000	1.093251	E 1.093251	26,467,543	2,532,457	2,245,327	287,12
	Totals/avg.	29,000,000	1.010000			26,467,543	2,532,457	2,245,327	287,12
	Grand total	157,563,208	1.042032			119,032,798	38,530,410	32,449,776	6,080,635

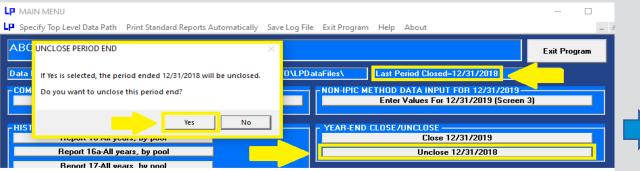
Reporting: §263A UNICAP Costs

Users can calculate §263A UNICAP costs by entering §263A absorption ratio into software

		3 (Year Histories)		-							
One UNICAP rate used for all pools		e Report 18 as Excel Fil								—	
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One UNICAP rate used for all pools	C8	28362691.453									
Multiple UNICAP rates used for at least one year	1	2019 12-31-2018	✓ 12-31-2017	12-31-2016	V 12-31-20	15 \ 12-31	-2014 \(12-31-2	2013 \(12-31-	2012 \ 12-31-	2011 🗸 6-30-;	2011
N/A or UNICAP Costs not calculated by LIFO-PRO	ABC Corporati				•		7/25/2019 6:24:21 F				
	12/31/2018		Data path:y:\LIF		e IPIC Calcula	tion\OnLIFO\	LPDataFiles\				
				12/31/2018	CUMLTV	CUMLTV		12/31/2018	12/31/2017	12/31/2018	UNICAP
	POOL NO.	POOL NAME	CURRENT YEAR COST	DEFLATOR INDEX	DEFLATOR INDEX	INFLATOR INDEX	LIFO INVENTORY	LIFO RESERVE	LIFO RESERVE	LIFO EXPENSE	COSTS APPLIED
		cal Tubing ressure) Tubing	28,362,691 548,331	1.214571 1.043055	1.065563	1.065563 E 1.047740	26,499,804 523,346	1,862,888 24,985	-2,406,346 3,688	4,269,234 21,297	1,698,922 32,231
	3 Pipe	· -	4,931,553	1.214617	1.086719	E 1.086719 E 1.093840	4,437,882 2,679,513	493,671 251,444	-351,610	845,281	282,643 165.023
		Pipe & Tubing	2,930,958 10,802,888	1.213012	.868227	.868227	11,322,271	-519,382	153,592 -2,185,079	97,852	751,072
UCC INPUT - [UNICAP RATES SCREEN FOR ABC Corporation]		Valve & Fittings Pipe & Tubing	555,329	1.044909	.931034	.931034 E .793862	580,045	-24,716	-43,584 -215,263	18,868 44,639	37,284
	8 Aluminum	n Valve & Fittings	17,229	1.045531	.994626	E .994626	17,322	-93	-982 -629,906	889	1,067
P File Edit Insert Delete Save UCC Report as Excel File		cluding UNICAP costs	2,827,659	1.129624 1.190407	.880105	E .880105	3,134,422 50,439,837	-306,763 1,611,409	-5,675,490	323,143 7,286,899	204,516 3,256,106
		ICAP costs cluding UNICAP costs					3,256,106 53,695,944	3,256,106	3,134,611 -8,810,102	-121,495 7,165,404	
Exit Exit and	UNICAP o	costs ratio for this year: 17 (last year) UNICAP co									3,134,611
Print and Don't	12/31/20	18 Increase(decrease) i	n UNICAP costs appl								121,495
Save Save		18 LIFO expense(income 18 LIFO reserve before									7,286,899
	12/31/20	18 LIFO inventory balance	ce before UNICAP co	sts applied							50,439,837
B14											- V
	LP REPORT 16(Poo	ol Histories)								-	- U X
ABC Corporation	Edit Save Rep	port 16 as Excel File Alt. Dis	play Help Save Log F	File							_ 8 ×
UNICAP RATES SCREEN											
UNICAL MATES SCREEN	Zoom 85 %		Index History Chart		Print Se	elected Sheet(s)		Print all Pools	Mai	in Menu	
Period Rate	J	7545767									
6/30/2011 .06158700	1 / 1 / 2 /	$3 \vee 4 \vee 5 \vee 6 \vee 7 \vee 8$	V9 V Combined \								
12/31/2011 .06158700	ABC Corporation						07-24-2019 1	9:49:01			
		UNICAP COSTS REPORT 1									
12/31/2012 .06158700	All Pools Combine	d CUR. YR. CUMLTV	Data path:Y:\LIFOPRO . INVENTORY INC(DE				UNICAP LIFO	LIFO		LAYER AT UN	ICAP LAYER
12/31/2013 .09871630	CURR				PRICED INVENT		COSTS INVENTORY	RESERVE	LIFO LAYER		OSTS INCLUDING
12/31/2014 .09871630	PERIOD YEAR O		PRICES PRIC		INC(DEC) W/O UN		APPLIED PLUS UNICAI		EXPENSE AT BASE		PLIED UNICAP
	6/30/2011 37,54						2,312,331 39,858,098		0 36,655,591		
12/31/2015 .09871630	12/31/2011 37,910		38,399,620 853,		·····ò····ò	94,854 .061587	52,293 40,759,478	<mark>.</mark>	-484,034 698,373		42,640 734,991
12/31/2016 .07131985	12/31/2012 38,36		40,624,992 2,225,			47,094 .061587	120,233 42,831,950		-1,495,306 2,225,372		20,233 2,072,473
12/31/2017 .07131985	12/31/2013 38,794 12/31/2014 39,423		41,940,926 1,315, 42,268,809 327,			41,103 .098716 20,459 .098716	107,997 44,033,956 27,577 44,340,889	<mark>.</mark>	-666,960 1,315,934 349,479 327,883		07,997 1,202,006 27,577 306,933
	12/31/2015 39,256		42,430,754 161,			20,459 .098716	13,051 44,486,152		-299,396 161,945		13,051 145,263
12/31/2018 .07131985	12/31/2016 35,720		45,713,300 3,282,		·····ò····ò	03,149 .071320	160,504 46,897,134	···· <mark>·</mark> ·······························	-5,786,146 1,966,555		94,778 1,423,697
12/31/2019	12/31/2017 43,182		50,723,101 5,009,		····	57,796 .071320	340,626 51,992,408	····	2,706,874 3,048,590		90,747 2,865,275
	12/31/2018 52,05	1,246 1.190407	51,981,216 1,258,	115 1.257469		39,837 .071320	121,495 53,695,944	1,611,409	7,286,899 5,580,974	4 5,630,632 40	01,576 6,032,208
			51,981,	216 .970347 5			3,256,106		51,981,210		56,106 53,695,943

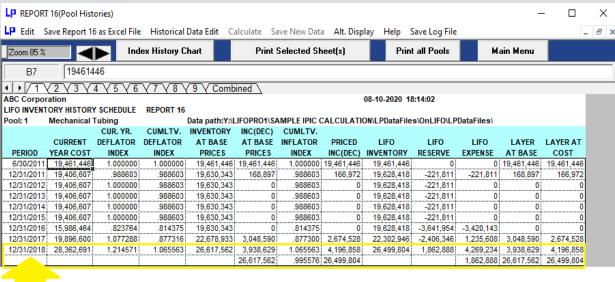
Reporting – Closing & Unclosing Periods

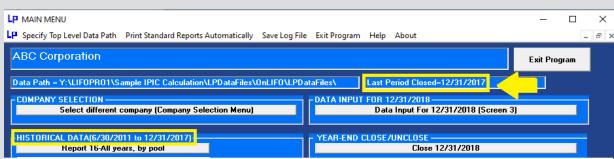
Calculation can be rolled back & forward as needed (unclosed/reclosed)



Select the Unclose MM/DD/YYYY & Yes buttons to roll back the last period closed to be one period earlier than the one shown in the last period closed box (on top right of screen)

Rpt. 16 Prior to Unclosing 12/31/2018 Year End





LIFOPro software data files now closed one period earlier than before after unclosing year end using unclose button. Last Period Closed box updates accordingly. The latest period originally closed & then unclosed can be reclosed if needed using the Close MM/DD/YYYY button above.

Rpt. 16 After Unclosing 12/31/2018 Year End

Edit S	ave Report 16	as Excel File	Historical Da	ita Edit Calcu	ilate Save	New Data	Alt. Display	Help Save I	Log File			_ 8 >	
Zoom 85 % Index History Chart Print Selected Sheet(s) Print all Pools Main Menu													
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$1\sqrt{2}\sqrt{3}\sqrt{4}\sqrt{5}\sqrt{6}\sqrt{7}\sqrt{8}\sqrt{9}\sqrt{Combined}$													
BC Corporation 08-10-2020 17:58:48													
	ORY HISTORY		REPORT 16			-							
Pool: 1	Mechanical T	CUR. YR.					culation\LPI	DataFiles\OnLIF	FO\LPDataFile	s\			
			CINNEL V	INVENTORY	INC(DEC)	CUMLTV.							
	CURRENT						PRICED	LIEO	LIEO	LIEO		I AYER AT	
PERIOD	CURRENT YEAR COST		DEFLATOR	AT BASE PRICES	AT BASE PRICES	INFLATOR INDEX	PRICED INC(DEC)	LIFO INVENTORY	LIFO RESERVE	LIFO EXPENSE	LAYER AT BASE	LAYER A	
PERIOD 6/30/2011		DEFLATOR	DEFLATOR	AT BASE	AT BASE	INFLATOR	INC(DEC)	INVENTORY	RESERVE			COST	
	YEAR COST 19,461,446	DEFLATOR INDEX	DEFLATOR INDEX	AT BASE PRICES	AT BASE PRICES	INFLATOR INDEX	INC(DEC) 19,461,446	INVENTORY 19,461,446	RESERVE 0		AT BASE	COST	
6/30/2011 12/31/2011 12/31/2012	YEAR COST 19,461,446 19,406,607 19,406,607	DEFLATOR INDEX 1.000000 .988603 1.000000	DEFLATOR INDEX 1.000000 .988603 .988603	AT BASE PRICES 19,461,446 19,630,343 19,630,343	AT BASE PRICES 19,461,446	INFLATOR INDEX 1.000000 .988603 .988603	INC(DEC) 19,461,446 166,972 0	INVENTORY 19,461,446 19,628,418 19,628,418	RESERVE 0 -221,811 -221,811	EXPENSE 0	AT BASE 19,461,446	COST 19,461,4	
6/30/2011 12/31/2011 12/31/2012 12/31/2013	YEAR COST 19,461,446 19,406,607 19,406,607 19,406,607	DEFLATOR INDEX 1.000000 .988603 1.000000 1.000000	DEFLATOR INDEX 1.000000 .988603 .988603 .988603	AT BASE PRICES 19,461,446 19,630,343 19,630,343 19,630,343	AT BASE PRICES 19,461,446	INFLATOR INDEX 1.000000 .988603 .988603 .988603	INC(DEC) 19,461,446 166,972 0 0	INVENTORY 19,461,446 19,628,418 19,628,418 19,628,418	RESERVE 0 -221,811 -221,811 -221,811	EXPENSE 0	AT BASE 19,461,446	COST 19,461,4	
6/30/2011 12/31/2011 12/31/2012 12/31/2013 12/31/2014	YEAR COST 19,461,446 19,406,607 19,406,607 19,406,607 19,406,607	DEFLATOR INDEX 1.000000 .988603 1.000000 1.000000 1.000000	DEFLATOR INDEX 1.000000 .988603 .988603 .988603 .988603	AT BASE PRICES 19,461,446 19,630,343 19,630,343 19,630,343 19,630,343	AT BASE PRICES 19,461,446	INFLATOR INDEX 1.000000 .988603 .988603 .988603 .988603 .988603	INC(DEC) 19,461,446 166,972 0 0 0	INVENTORY 19,461,446 19,628,418 19,628,418 19,628,418 19,628,418	RESERVE 0 -221,811 -221,811 -221,811 -221,811	EXPENSE 0	AT BASE 19,461,446	COST 19,461,4	
6/30/2011 12/31/2011 12/31/2012 12/31/2013 12/31/2014 12/31/2015	YEAR COST 19,461,446 19,406,607 19,406,607 19,406,607 19,406,607 19,406,607	DEFLATOR INDEX 1.000000 .988603 1.000000 1.000000 1.000000 1.000000	DEFLATOR INDEX 1.000000 .988603 .988603 .988603 .988603 .988603 .988603	AT BASE PRICES 19,461,446 19,630,343 19,630,343 19,630,343 19,630,343 19,630,343	AT BASE PRICES 19,461,446 168,897 0 0	INFLATOR INDEX 1.000000 .988603 .988603 .988603 .988603 .988603 .988603	INC(DEC) 19,461,446 166,972 0 0 0 0	INVENTORY 19,461,446 19,628,418 19,628,418 19,628,418 19,628,418 19,628,418 19,628,418	RE SERVE 0 -221,811 -221,811 -221,811 -221,811 -221,811	EXPENSE 0 -221,811 0 0 0 0	AT BASE 19,461,446	COST 19,461,4	
6/30/2011 12/31/2011 12/31/2012 12/31/2013 12/31/2014 12/31/2015 12/31/2016	YEAR COST 19,461,446 19,406,607 19,406,607 19,406,607 19,406,607 19,406,607 15,986,464	DEFLATOR INDEX 1.000000 .988603 1.000000 1.000000 1.000000 1.000000 .823764	DEFLATOR INDEX 1.000000 .988603 .988603 .988603 .988603 .988603 .814375	AT BASE PRICES 19,461,446 19,630,343 19,630,343 19,630,343 19,630,343 19,630,343 19,630,343	AT BASE PRICES 19,461,446 168,897 0 0 0 0 0 0 0 0 0	INFLATOR INDEX 1.000000 .988603 .988603 .988603 .988603 .988603 .888603 .814375	INC(DEC) 19,461,446 166,972 0 0 0 0 0	INVENTORY 19,461,446 19,628,418 19,628,418 19,628,418 19,628,418 19,628,418 19,628,418	RESERVE 0 -221,811 -221,811 -221,811 -221,811 -221,811 -3,641,954	EXPENSE 0 -221,811 0 0 0 0 -3,420,143	AT BASE 19,461,446 168,897 0 0 0 0 0	COST 19,461, 166,	
6/30/2011 12/31/2011 12/31/2012 12/31/2013 12/31/2014 12/31/2015	YEAR COST 19,461,446 19,406,607 19,406,607 19,406,607 19,406,607 19,406,607 15,986,464	DEFLATOR INDEX 1.000000 .988603 1.000000 1.000000 1.000000 1.000000	DEFLATOR INDEX 1.000000 .988603 .988603 .988603 .988603 .988603 .988603	AT BASE PRICES 19,461,446 19,630,343 19,630,343 19,630,343 19,630,343 19,630,343	AT BASE PRICES 19,461,446 168,897 0 0	INFLATOR INDEX 1.000000 .988603 .988603 .988603 .988603 .988603 .814375 .877300	INC(DEC) 19,461,446 166,972 0 0 0 0 0	INVENTORY 19,461,446 19,628,418 19,628,418 19,628,418 19,628,418 19,628,418 19,628,418 19,628,418 22,302,946	RESERVE 0 -221,811 -221,811 -221,811 -221,811 -221,811 -3,641,954	EXPENSE 0 -221,811 0 0 0 -3,420,143 1,235,608	AT BASE 19,461,446 168,897 0 0 0 0 0 0 3,048,590	COS1 19,461 166 2,674	

All reports will now reflect the last period closed to match the one displayed on the Main Menu screen. Period previously closed no longer shown in all reports & all remaining amounts previously closed are the same as they were prior to unclosing the last period closed (as can be seen when comparing the above data to the Report 16 data closed through 2018 as pictured to the left).

Reporting – Adjusting Period, Company & Pool Name Labels

Company/pool names & period labels displayed on all LIFOPro reports can be modified as needed by selecting Company Settings screen button located on the bottom left of the LIFOPro software Main Menu screen

Change Company Name Label

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LP COMPANY SETUP, METHODS SETTING	IGS & POOLS MAINTENANCE
LP Edit IPIC Pooling Method Analysis	Help
Company Name:	ABC Corporation - Q2 '19 Estimate
Retail or Cost LIFO:	Cost 🗨
Layer Pricing Index Method:	Single index, Inflator=deflator index 🗾 Use Legal Size
UNICAP Mode:	One UNICAP rate used for all pools
Cumulative index rounding precision:	Unlimited 👤
LIFO history data rounded to 000's:	No 🔽
Add back negative reserves for book LIF	FO: No 🔽
Go to Period Maintenance	Show option to display Rpts. 16 and 17 layers as of year selected:

Change Period End Label

Go to Po	ool Mai	ntenance								<u>S</u>		option to display Rpts uble Click on the Pool
PERIODS	MAIN	TENANCE TA	ABLE								Dou	uble Click on the Perio
A10	I	6/30/2019										
Period	Peri	iod Labels	1	2	3	4	5	6	7	8	9	
1	6/30/2	2011										
2	12/31	/2011										
3	12/31	/2012										
4	12/31	/2013										
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* Last p	eriod c	losed	Ch	eck	mai	rks i	in P	ool	no.	coli	Imna	s indicate base period

Rpt. 18 Before Changing Company Name & Period Label

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POOL	POOL	CURRENT YEAR COST	12/31/2019 DEFLATOR INDEX	CUMLTV DEFLATOR INDEX	CUMLTV INFLATOR INDEX		12/31/2019 LIFO RESERVE	12/31/2018 LIFO RESERVE	12/31/2019 LIFO EXPENSE	
	Mechanical Tubing	28,362,691		1.294202			6,729,772	1,862,888	4,866,884	
2	Boiler (pressure) Tubing	548,331	1.043055	1.092851		501,743	46,587	24,985	21,603	
	Pipe	4,931,553			E 1.319947	3,735,288	1,196,265	493,671	702,594	
	Valves & Fittings	2,930,958		1.142790		2,564,739	366,219	251,444	114,775	
	Stainless Pipe & Tubing	10,802,888	1.213012	1.053169		9,567,294	1,235,594	-519,382	1,754,976	
	Stainless Valve & Fittings	555,329		.972846		556,177	-848	-24,716	23,867	
	Aluminum Pipe & Tubing	1,074,608	1.048077	.832028		1,202,456	-127,848	-170,625	42,777	
	Aluminum Valve & Fittings	17,229			E 1.039912	16,568	661	-93	754	
9	Cold finished bar	2,827,659		.994187	E .994187	2,823,814	3,844	-306,763	310,607	
	Totals	52.051.246	1.190407			42.601.000	9,450,246	1,611,409	7,838,837	

Rpt. 18 After Changing Company Name & Period Label

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	orporation - Q2 '19 Estima		,			8/10/2020 7:06:01			
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6/30/2	2019	Data path:Y:\LIFC	PRO1\SAMP	LE IPIC CALCU	JLATION\LPF	DataFiles\OnLIFO\	LPDataFiles\		
			6/30/2019	CUMLTV	CUMLTV		6/30/2019	12/31/2018	6/30/2019
POOL	. POOL	CURRENT	DEFLATOR	DEFLATOR	INFLATOR	LIFO	LIFO	LIFO	LIFO
NO.	NAME	YEAR COST	INDEX	INDEX	INDEX	INVENTORY	RESERVE	RESERVE	EXPENSE
1	Mechanical Tubing	28,362,691	1.214571	1.294202 E	E 1.294202	21,632,920	6,729,772	1,862,888	4,866,884
2	Boiler (pressure) Tubing	548.331	1.043055						
3			1.043055	1.092851 E	E 1.092851	501,743	46,587	24,985	21,603
	Pipe	4,931,553	1.043055		E 1.092851 E 1.319947	501,743 3,735,288	46,587 1,196,265	24,985 493,671	21,603 702,594
4	Pipe Valves & Fittings				E 1.319947				
4 5		4,931,553	1.214617	1.319947 E	E 1.319947 E 1.142790	3,735,288	1,196,265	493,671	702,594
5 6	Valves & Fittings	4,931,553 2,930,958	1.214617 1.044751	1.319947 E 1.142790 E	E 1.319947 E 1.142790 E 1.053169	3,735,288 2,564,739	1,196,265 366,219	493,671 251,444	702,594 114,775
5 6 7	Valves & Fittings Stainless Pipe & Tubing	4,931,553 2,930,958 10,802,888	1.214617 1.044751 1.213012	1.319947 E 1.142790 E 1.053169 E	E 1.319947 E 1.142790 E 1.053169 E .972846	3,735,288 2,564,739 9,567,294	1,196,265 366,219 1,235,594	493,671 251,444 -519,382	702,594 114,775 1,754,976
5 6	Valves & Fittings Stainless Pipe & Tubing Stainless Valve & Fittings	4,931,553 2,930,958 10,802,888 555,329	1.214617 1.044751 1.213012 1.044909	1.319947 E 1.142790 E 1.053169 E .972846 E .832028 E	E 1.319947 E 1.142790 E 1.053169 E .972846	3,735,288 2,564,739 9,567,294 556,177	1,196,265 366,219 1,235,594 -848	493,671 251,444 -519,382 -24,716	702,594 114,775 1,754,976 23,867
5 6 7	Valves & Fittings Stainless Pipe & Tubing Stainless Valve & Fittings Aluminum Pipe & Tubing	4,931,553 2,930,958 10,802,888 555,329 1,074,608	1.214617 1.044751 1.213012 1.044909 1.048077	1.319947 E 1.142790 E 1.053169 E .972846 E .832028 E 1.039912 E	1.319947 1.142790 1.053169 .972846 .832028	3,735,288 2,564,739 9,567,294 556,177 1,202,456	1,196,265 366,219 1,235,594 -848 -127,848	493,671 251,444 -519,382 -24,716 -170,625	702,594 114,775 1,754,976 23,867 42,777
5 6 7 8	Valves & Fittings Stainless Pipe & Tubing Stainless Valve & Fittings Aluminum Pipe & Tubing Aluminum Valve & Fittings	4,931,553 2,930,958 10,802,888 555,329 1,074,608 17,229	1.214617 1.044751 1.213012 1.044909 1.048077 1.045531 1.129624	1.319947 E 1.142790 E 1.053169 E .972846 E .832028 E 1.039912 E	1.319947 1.142790 1.053169 .972846 .832028 1.039912	3,735,288 2,564,739 9,567,294 556,177 1,202,456 16,568	1,196,265 366,219 1,235,594 -848 -127,848 661	493,671 251,444 -519,382 -24,716 -170,625 -93	702,594 114,775 1,754,976 23,867 42,777 754

Printing & Saving Reports

All reports can be saved as Excel files by selecting any of the report buttons listed on Main Menu screen & selecting "Save Report as Excel File" command button

Edit Save Report 18 (Year Histories) Edit Save Report 18 as Excel File											
Zoon	n %	85 🛨		rporation					Print Report	Main Menu	
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1	ABC	Corpora	tion				8/3/2020 3	:36:58 PM			
2	АСТ	UAL YEA	R-END LIFO CALCULATION SU	MMARY REPORT	18						
3	12/	31/2018		Data path:Y:\I	IFOPRO1\SA	MPLE IPIC	CALCULATI	ON\LPDataFiles	OnLIFO\LPDat	aFiles\	
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5					12/31/2018	CUMITY	CUMLTV		12/31/2018	12/31/2017	12/31/2018
_	POO		POOL	CURRENT	DEFLATOR			LIFO	LIFO	LIFO	LIFO
7	NO.		NAME	YEAR COST	INDEX	INDEX	INDEX	INVENTORY	RESERVE	RESERVE	EXPENSE
8	1	Mechanic		28,362,691		1.065563	1.065563	26,499,804		-2,406,346	4,269,234
。 9	2		essure) Tubing	548,331	- •		E 1.047740	20,499,804		-2,408,548	4,269,234
0	3	Pipe	essere, rushig	4,931,553			E 1.086719	4,437,882	••	-351,610	845,281
1	4	Valves &	Fittings	2,930,958			E 1.093840	2,679,513		153,592	97,852
12	5		Pipe & Tubing	10,802,888		.868227	.868227	11,322,271	••	-2,185,079	1,665,697
3	6	• • • • • • • • • • • • • • • • • • • •	Valve & Fittings	555,329		.931034	.931034	580,045		-43,584	18,868
4	7		n Pipe & Tubing	1,074,608			E .793862	1,245,233	••	-215,263	44,639
	8	•••	n Valve & Fittings	17,229	- • • • • • • • • • • • • • • • • • • •		E .994626	17,322		-215,203	889
6	9	Cold finis		2,827,659			E .880105	3,134,422	•\$	-629,906	323,143
17	· · · · ·	Totals		52,051,246	•••	.000105	2 .000105	50,439,837		-5,675,490	7,286,899
18		Totals		52,051,240	1.150407			50,455,657	1,011,405	5,075,450	7,200,055
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LIFOPro Report 18 Saved as Excel File

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1	1	ABC	Corpora	ition					8/3/2020 3	:36:58 PM			
2	2	ACT	UAL YEA	AR-END LIFO CAL	CULATION SU	IMMARY REPO	RT 18						
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5	5						12/31/2018	CUMLTV	CUMLTV		12/31/2018	12/31/2017	12/31/2018
6	6 6	POOL		POOL		CURRENT	DEFLATOR	DEFLATOR	INFLATOR	LIFO	LIFO	LIFO	LIFO
7	7	NO.		NAME		YEAR COST	INDEX	INDEX	INDEX	INVENTORY	RESERVE	RESERVE	EXPENSE
8	8	1	Mechani	ical Tubing		28,362,691	1.214571	1.065563	1.065563	26,499,804	1,862,888	-2,406,346	4,269,234
9	9	2	Boiler (p	pressure) Tubing		548,331	1.043055	1.047740	E 1.047740	523,346	24,985	3,688	21,297
1	0	3	Pipe			4,931,553	1.214617	1.086719	E 1.086719	4,437,882	493,671	-351,610	845,281
1	1	4	Valves &	، Fittings		2,930,958	1.044751	1.093840	E 1.093840	2,679,513	251,444	153,592	97,852
1	2	5	Stainles	s Pipe & Tubing		10,802,888	1.213012	.868227	.868227	11,322,271	-519,382	-2,185,079	1,665,697
1	3	6	Stainles	s Valve & Fittings	j	555,329	1.044909	.931034	.931034	580,045	-24,716	-43,584	18,868
1	4	7	Aluminu	ım Pipe & Tubing		1,074,608	1.048077	.793862	E .793862	1,245,233	-170,625	-215,263	44,639
1	5	8	Aluminu	um Valve & Fittings	5	17,229	1.045531	.994626	E .994626	17,322	-93	-982	889
1	6	9	Cold finis	shed bar		2,827,659	1.129624	.880105	E .880105	3,134,422	-306,763	-629,906	323,143
1	7		Totals			52,051,246	1.190407			50,439,837	1,611,409	-5,675,490	7,286,899
1	8												
		•	•	12-31-2018	12-31-2017	12-31-2016	12-31-2015	5 12-31	-2014 12	2-31-2013 12	2-31-2012	12-31-2011	6-30-2011
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Separate sheets saved to Excel file for all periods stored in LIFOPro software

Printing & Saving Reports

All reports can also be printed or saved as Adobe PDF files by selecting any of the report buttons listed on Main Menu screen & selecting gray "Print Report" button

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· ∢ ►		-		2018 \(12.3)	31-2017 V 1	2-31-2016	V 12-31-2015 V	12-31-2014	12-31-2013	12-31-2012
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				12/31/2019	CUMLTV	CUMLTV		12/31/2019	12/31/2018	12/31/2019
POOL	POOL		CURRENT	DEFLATOR	DEFLATOR	INFLATOR	LIFO	LIFO	LIFO	LIFO
NO.	NAME		YEAR COST	INDEX	INDEX	INDEX	INVENTORY	RESERVE	RESERVE	EXPENSE
1	Mechanical Tubing		28,362,691	1.214571		1.294202	21,632,920	6,729,772	1,862,888	4,866,884
2 3	Boiler (pressure) T	ubing	548,331	1.043055		1.092851	501,743	46,587	24,985	21,603
3 4	Pipe Valves & Fittings		4,931,553 2,930,958	1.214617 1.044751		1.319947	3,735,288	1,196,265 366,219	493,671 251,444	702,594
5	Stainless Pipe & Tu	ibina	10,802,888	1.213012		1.053169	9,567,294	1,235,594	-519,382	1,754,976
6	Stainless Valve &		555,329	1.044909		.972846	556,177	-848	-24,716	23,867
7	Aluminum Pipe & T		1,074,608	1.048077	.832028 E		1,202,456	-127,848	-170,625	42,777
8	Aluminum Valve &	Fittinas	17.229	1.045531	1.039912 E	1.039912	16.568	661	-93	754
9	Cold finished bar	Print					× [3,844	-306,763	310,607
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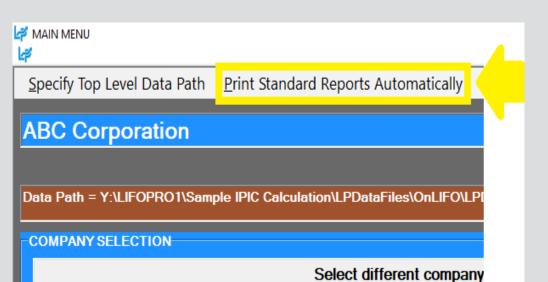
ACTUAL YEAR-END LIFO CALCULATION SUMMARY REPORT 18

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			12/31/2019	CUMLTV	CUMLTV		12/31/2019	12/31/2018	12/31/2019
POOL	. POOL	CURRENT	DEFLATOR	DEFLATOR	INFLATOR	LIFO	LIFO	LIFO	LIFO
NO.	NAME	YEAR COST	INDEX	INDEX	INDEX	INVENTORY	RESERVE	RESERVE	EXPENSE
1	Mechanical Tubing	28,362,691	1.214571	1.294202	E 1.294202	21,632,920	6,729,772	1,862,888	4,866,884
2	Boiler (pressure) Tubing	548,331	1.043055	1.092851	E 1.092851	501,743	46,587	24,985	21,603
3	Pipe	4,931,553	1.214617	1.319947	E 1.319947	3,735,288	1,196,265	493,671	702,594
4	Valves & Fittings	2,930,958	1.044751	1.142790	E 1.142790	2,564,739	366,219	251,444	114,775
5	Stainless Pipe & Tubing	10,802,888	1.213012	1.053169	E 1.053169	9,567,294	1,235,594	-519,382	1,754,976
6	Stainless Valve & Fittings	555,329	1.044909	.972846	E .972846	556,177	-848	-24,716	23,867
7	Aluminum Pipe & Tubing	1,074,608	1.048077	.832028	E .832028	1,202,456	-127,848	-170,625	42,777
8	Aluminum Valve & Fittings	17,229	1.045531	1.039912	E 1.039912	16,568	661	-93	754
9	Cold finished bar	2,827,659	1.129624	.994187	E .994187	2,823,814	3,844	-306,763	310,607
	Totals	52,051,246	1.190407			42,601,000	9,450,246	1,611,409	7,838,837

Printing & Saving Reports: Automatic Printing & Saving

Multiple reports including cover sheet & table of contents can be printed or saved within a single screen by selecting the Print Standard Reports Automatically Command Button on the top of the Main Menu



🛃 MAIN MENU - [Cover Sheet] Save as Excel File Help Reset Defaults SELECT REPORTS TO COVER SHEET SETTINGS PRINT OR SAVE **LIFO Reports For** NONE Rept Type: Report 18 ABC Corporation Row 2: LIFO Reports For Report 18a For year ended 12/31/2018 Row 3: ABC Corporation Report 18a-SP Row 4: For year ended 12/31/2018 Report 16 Report 16a 1. Select Reports to print/save Report 17 (Appropriate Month Dec 2018/Dec 2017) Row 9: (Appropriate Month Dec 2018/Dec 2017) Report 19 10 Row 12: 11 IPIC Reports 12 Row 13: Report 25 13 Row 14: 14 Report 26-CPI 15 Row 15: Report 26-PPI 16 Row 16: 🔲 Report 1 - SP 17 Row 17: 18 19 Row 20: Prepared by: 20 Row 21: LIFO-PRO, Inc. 21 22 Row 22: 11620 Arbor Street, Suite 100 23 Row 23: Omaha, NE 68144 24 Prepared by: MANUALLY INSERTED Row 25: (402) 330-8573 LIFO-PRO, Inc. 25 DOCS Row 26 (877) 848-6583 Fax 26 11620 Arbor Street, Suite 100 Report 15 Row 28: EMAIL: lifopro@lifopro.com 27 Omaha, NE 68144 28 DIS-IPIC Row 29: Website: www.lifopro.com 29 (402) 330-8573 DIS-Non-IPIC 30 (877) 848-6583 Fax 2. Preview report cover sheet & table of contents (optional) 31 32 EMAIL: lifopro@lifopro.com Appr Month 33 Website: www.lifopro.com Save Reports to Excel 34 35 July 7, 2020 Print Data Path on Reports 3. Choose to print to 36 Enter Report Prefix if any: printer, Adobe PDF 37 DO NOT CREATE COVER SHEET & TOC file or save to Excel 39 file Print Selected Reports



Printing & Saving Reports to User's Local Devices

- All LIFOPro reports can be printed or saved from your LIFOPro software Virtual Machine to your local printer or PC's local/network drives
- Only difference is determining the file print/save location; can save it to the following locations:
 - Redirected drives these are your PC's local/network folder locations
 - Shared drive user's company LIFOPro software VM shared folder

Save Reports as Excel File

Save Reports as Adobe PDF

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Hide Folders

Printing & Saving Reports: Print Drivers

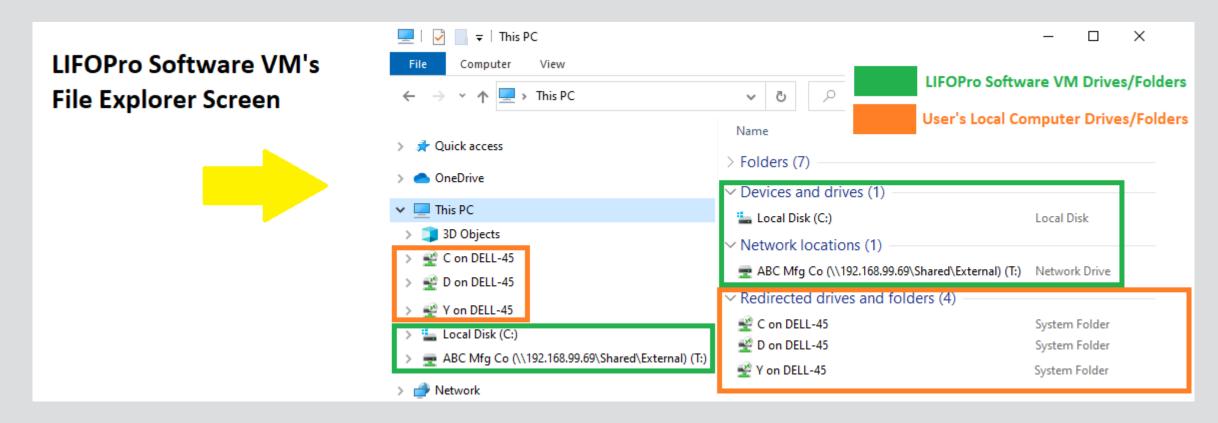
- The printers available on your LIFOPro software VM can be organized into two categories:
 - User's local/network printers will have the words "Redirected 1" at the end of the printer names
 - LIFOPro software VM printers will NOT have the words "Redirected 1" at the end of the printer names
- The LIFOPro software VM has the Adobe PDF & Microsoft Print to PDF print drivers installed for purposes of printing/saving LIFOPro reports as Adobe PDF files
- All LIFOPro reports can be printed or saved as follows:
 - Printed to your PC's local/network printers
 - Saved to your PC's local/network folders
 - Saved to your LIFOPro software VM's shared drive

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	Brother HL-6180DW series Printer (redirected 1)	Printers Printers	Printers and Faxes	
	Brother HL-Lo200DW series Printer (redirected 1) Brother MFC-L2740DW series Printer (redirected 1)	Printers	Printers and Faxes	
	Fax (redirected 1)	Printers	Printers and Faxes	
	HP Color LaserJet 3800 (redirected 1)	Printers	Printers and Faxes	
	Microsoft Print to PDF	Printers	Document Writers	
	Microsoft Print to PDF (redirected 1)	Printers	Printers and Faxes	
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Printers with "(redirected 1)" at the end of the	Microsoft XPS Document Writer (redirected 1)	Printers	Printers and Faxes	
printer name are the user's local/network printers.	OneNote for Windows 10	Printers	Document Writers	
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on the LIFOPro software VM, which include the	Send To OneNote	Printers	Document Writers	
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made available for printing/saving LIFOPro report	Webex Document Loader (redirected 1)	Printers	Printers and Faxes	
files as Adobe PDF files. All LIFOPro software reports	<			>
can be printed or saved as follows:	23 items			
1) Printed to your PC's local/network printers				
2) Saved to your LIFOPro software VM's shared drive				
 Saved to your PC's local/network folders 				

Loading & Transferring Files

- All files & folders located on your PC's local/network drives are viewable & accessible from the LIFOPro software VM upon configuring your Remote Desktop Connection settings accordingly (see VM Settings)
- LIFOPro software VM & your PC's local/network drives are distinguishable by locating the drives with the word "on" & your computers name after the drive name (for example, if your computer's name is "Dell-45", your local PC's C drive will appear as "C on Dell-45" within File Explorer on your LIFOPro software VM)



Loading & Transferring Files

- All files located on your LIFOPro software VM drive can be transferred to your PC's local/network drives
- To do so, double-click on your LIFOPro Files desktop shortcut in the LIFOPro software VM & navigate to the folder and/or files that you'd like to transfer to your PC's local/network drives
- In the LIFOPro software VM, open a second File Explorer screen & navigate to your PC's local/network drive folder
- Drag & drop the files/folders from the LIFOPro software VM File Explorer screen to your PC's local/network drive File Explorer screen

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Troubleshooting: Loading Files into Software

- Some users may experience issues loading files into the LIFOPro software directly from their local PC's drive/folder due to IT security restrictions and/or settings
- If the LIFOPro software will not load a data input file from your PC's local/network drive, take the following steps:
 - Open File Explorer on your LIFOPro software VM & locate you're your PC's local/network drives (will be shown in File Explorer with the text "on computer name" on the end of the drive letter; see in orange below)
 - Within File Explorer on your LIFOPro software VM, navigate to your PC's local/network drive containing your LIFOPro software data input file
 - Open a second File Explorer screen on your LIFOPro software VM & navigate to your LIFOPro software VM drive
 - On your VM, drag & drop your LIFOPro software data input file from your local drive onto your VM drive

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> 🔮 D on DELL-45	drive or folder & locate your L data input file	LIFUPro software		🚍 ABC Mfg Co (\\192.168.99.69\Shared\External) (T:)	2. Open a second file explorer scre	en, navigate to your LIFOPro		
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Troubleshooting: Support Options

- The following resources are available for issues that users experience while operating the LIFOPro software:
 - Quick Assist Remote support app that is installed on all PCs with Windows 10 operating systems. Allows LIFOPro support staff to view and/or take control of your PC (accessed via start menu); contact LIFOPro at 402-330-8573 M –F 8am – 5PM CST in order to initiate remote support session & be provided Quick Assist code.
 - <u>LIFOPro Software Support Page</u> Contains a complete set of resources for LIFOPro software users
 - Submit a support ticket Available on the LIFOPro Software Support Page (https://www.lifopro.com/support)

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	Quick Assist – C X Microsoft Quick Assist enables two people to share a computer over a remote connection so that one person can help solve problems on the other person's computer.	Software Support	Company Email* What operating system are you using? Windows 10 Windows 8 Other Not Sare		
	Allow someone you trust to assist you by taking control of your computer. Please enter the 6-digit security code that was		What version of the software are you using (version # located on the bottom right part of the LIFO-PRO software's Main Monu screen(?* Explain the issue you are experiencing * I am getting an error message when loading my data input sheet for IPIC LIFO calculations		
	provided to you. Code from assistant	Home + Software Support LIFO-PRO Software BLS Index Files Release Update May 2020 CPI & PPI LIFO-PRO software data files are now evaluable for download June 2020 PPI release date - Friday. July 10 # 10an CST June 2020 CPI release date - Tuesday. July 14 # 10an CST	Select the method(s) that you want to troubleshoot this issue Phone Final Remote support (provided using Gisco WebEx screen share while on the phone) Any method Attach screenshot(s) of the issue your experiencing or error message you're receiving (optional)		
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