

<b>Form 5500-SF</b>  Department of the Treasury Internal Revenue Service  Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	<b>Short Form Annual Return/Report of Small Employee Benefit Plan</b>  This form is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA), and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code).  <b>Complete all entries in accordance with the instructions to the Form 5500-SF.</b>	OMB Nos. 1210-0110 1210-0089  <div style="border: 1px solid black; text-align: center; padding: 5px; font-weight: bold; font-size: 1.2em;">2011</div>  <b>This Form is Open to Public Inspection</b>
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<b>Part I Annual Report Identification Information</b>		
For calendar plan year 2011 or fiscal plan year beginning <u>01/01/2011</u> and ending <u>12/28/2011</u>		
<b>A</b> This return/report is for:	<input checked="" type="checkbox"/> a single-employer plan <input type="checkbox"/> a multiple-employer plan (not multiemployer) <input type="checkbox"/> a one-participant plan	
<b>B</b> This return/report is:	<input type="checkbox"/> the first return/report <input checked="" type="checkbox"/> the final return/report <input type="checkbox"/> an amended return/report <input checked="" type="checkbox"/> a short plan year return/report (less than 12 months)	
<b>C</b> Check box if filing under:	<input type="checkbox"/> Form 5558 <input type="checkbox"/> automatic extension <input type="checkbox"/> DFVC program <input type="checkbox"/> special extension (enter description)	

<b>Part II Basic Plan Information</b> —enter all requested information		
<b>1a</b> Name of plan <u>COGENS, INC. DEFINED BENEFIT PLAN</u>	<b>1b</b> Three-digit plan number (PN)	<u>001</u>
	<b>1c</b> Effective date of plan	<u>12/31/1973</u>
<b>2a</b> Plan sponsor's name and address; include room or suite number (employer, if for a single-employer plan) <u>COGENS, INC.</u>  <u>1 VIRGINIA AVENUE</u> <u>PROVIDENCE, RI 02903</u>	<b>2b</b> Employer Identification Number (EIN) <u>05-0122070</u>	<b>2c</b> Sponsor's telephone number <u>401-421-4436</u>
	<b>2d</b> Business code (see instructions) <u>561490</u>	<b>3b</b> Administrator's EIN <u>05-0122070</u>
<b>3a</b> Plan administrator's name and address (if same as plan sponsor, enter "Same") <u>COGENS, INC.</u> <u>1 VIRGINIA AVENUE</u> <u>PROVIDENCE, RI 02903</u>	<b>3c</b> Administrator's telephone number <u>401-421-4436</u>	
<b>4</b> If the name and/or EIN of the plan sponsor has changed since the last return/report filed for this plan, enter the name, EIN, and the plan number from the last return/report. <b>a</b> Sponsor's name	<b>4b</b> EIN	<b>4c</b> PN
<b>5a</b> Total number of participants at the beginning of the plan year .....	<b>5a</b>	<u>11</u>
<b>b</b> Total number of participants at the end of the plan year.....	<b>5b</b>	<u>0</u>
<b>c</b> Number of participants with account balances as of the end of the plan year (defined benefit plans do not complete this item).....	<b>5c</b>	
<b>6a</b> Were all of the plan's assets during the plan year invested in eligible assets? (See instructions.) .....	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>b</b> Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? (See instructions on waiver eligibility and conditions.).....	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<b>Part III Financial Information</b>			
<b>7</b> Plan Assets and Liabilities		<b>(a) Beginning of Year</b>	<b>(b) End of Year</b>
<b>a</b> Total plan assets .....	<b>7a</b>	<u>260445</u>	<u>0</u>
<b>b</b> Total plan liabilities .....	<b>7b</b>	<u>0</u>	<u>0</u>
<b>c</b> Net plan assets (subtract line 7b from line 7a).....	<b>7c</b>	<u>260445</u>	<u>0</u>
<b>8</b> Income, Expenses, and Transfers for this Plan Year		<b>(a) Amount</b>	<b>(b) Total</b>
<b>a</b> Contributions received or receivable from:			
<b>(1)</b> Employers .....	<b>8a(1)</b>	<u>0</u>	
<b>(2)</b> Participants .....	<b>8a(2)</b>	<u>0</u>	
<b>(3)</b> Others (including rollovers).....	<b>8a(3)</b>	<u>0</u>	
<b>b</b> Other income (loss) .....	<b>8b</b>	<u>24</u>	
<b>c</b> Total income (add lines 8a(1), 8a(2), 8a(3), and 8b) .....	<b>8c</b>		<u>24</u>
<b>d</b> Benefits paid (including direct rollovers and insurance premiums to provide benefits).....	<b>8d</b>	<u>257018</u>	
<b>e</b> Certain deemed and/or corrective distributions (see instructions) .....	<b>8e</b>	<u>0</u>	
<b>f</b> Administrative service providers (salaries, fees, commissions) .....	<b>8f</b>	<u>0</u>	
<b>g</b> Other expenses.....	<b>8g</b>	<u>3451</u>	
<b>h</b> Total expenses (add lines 8d, 8e, 8f, and 8g) .....	<b>8h</b>		<u>260469</u>
<b>i</b> Net income (loss) (subtract line 8h from line 8c).....	<b>8i</b>		<u>-260445</u>
<b>j</b> Transfers to (from) the plan (see instructions) .....	<b>8j</b>	<u>0</u>	

**Part IV Plan Characteristics****9a** If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristic Codes in the instructions:

1A 1G 1H 3D

**b** If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristic Codes in the instructions:**Part V Compliance Questions**

10	During the plan year:	Yes	No	Amount
<b>a</b>	Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? (See instructions and DOL's Voluntary Fiduciary Correction Program) .....		X	
<b>b</b>	Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.) .....		X	
<b>c</b>	Was the plan covered by a fidelity bond? .....	X		50000
<b>d</b>	Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty? .....		X	
<b>e</b>	Were any fees or commissions paid to any brokers, agents, or other persons by an insurance carrier, insurance service or other organization that provides some or all of the benefits under the plan? (See instructions.) .....		X	
<b>f</b>	Has the plan failed to provide any benefit when due under the plan? .....		X	
<b>g</b>	Did the plan have any participant loans? (If "Yes," enter amount as of year end.) .....		X	
<b>h</b>	If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.) .....			
<b>i</b>	If 10h was answered "Yes," check the box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3 .....			

**Part VI Pension Funding Compliance**

**11** Is this a defined benefit plan subject to minimum funding requirements? (If "Yes," see instructions and complete Schedule SB (Form 5500)) ..... ☒ Yes ☐ No

**12** Is this a defined contribution plan subject to the minimum funding requirements of section 412 of the Code or section 302 of ERISA? .. ☐ Yes ☒ No  
(If "Yes," complete 12a or 12b, 12c, 12d, and 12e below, as applicable.)

**a** If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions, and enter the date of the letter ruling granting the waiver. .... Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_

**If you completed line 12a, complete lines 3, 9, and 10 of Schedule MB (Form 5500), and skip to line 13.**

<b>b</b>	Enter the minimum required contribution for this plan year .....	<b>12b</b>	
<b>c</b>	Enter the amount contributed by the employer to the plan for this plan year .....	<b>12c</b>	
<b>d</b>	Subtract the amount in line 12c from the amount in line 12b. Enter the result (enter a minus sign to the left of a negative amount) .....	<b>12d</b>	

**e** Will the minimum funding amount reported on line 12d be met by the funding deadline? ..... ☐ Yes ☐ No ☐ N/A

**Part VII Plan Terminations and Transfers of Assets**

**13a** Has a resolution to terminate the plan been adopted in any plan year? ..... ☒ Yes ☐ No  
If "Yes," enter the amount of any plan assets that reverted to the employer this year ..... **13a** 0

**b** Were all the plan assets distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC? ..... ☒ Yes ☐ No

**c** If during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

13c(1) Name of plan(s):	13c(2) EIN(s)	13c(3) PN(s)

**Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.**

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including, if applicable, a Schedule SB or Schedule MB completed and signed by an enrolled actuary, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

<b>SIGN HERE</b>	Filed with authorized/valid electronic signature.	06/05/2012	JAIME COHEN
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
<b>SIGN HERE</b>			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor

<b>SCHEDULE SB</b> <b>(Form 5500)</b>  Department of the Treasury Internal Revenue Service  Department of Labor Employee Benefits Security Administration  Pension Benefit Guaranty Corporation	<b>Single-Employer Defined Benefit Plan</b> <b>Actuarial Information</b>  This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).  ▶ <b>File as an attachment to Form 5500 or 5500-SF.</b>	OMB No. 1210-0110  <b>2011</b>  <b>This Form is Open to Public Inspection</b>
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For calendar plan year 2011 or fiscal plan year beginning 01/01/2011 and ending 12/28/2011

▶ **Round off amounts to nearest dollar.**

▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

<b>A</b> Name of plan <u>COGENS, INC. DEFINED BENEFIT PLAN</u>	<b>B</b> Three-digit plan number (PN) ▶ <u>001</u>
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>COGENS, INC.</u>	<b>D</b> Employer Identification Number (EIN) <u>05-0122070</u>
<b>E</b> Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B	<b>F</b> Prior year plan size: <input checked="" type="checkbox"/> 100 or fewer <input type="checkbox"/> 101-500 <input type="checkbox"/> More than 500

<b>Part I</b>	<b>Basic Information</b>
<b>1</b>	Enter the valuation date: Month <u>12</u> Day <u>28</u> Year <u>2011</u>
<b>2</b>	Assets:
<b>a</b>	Market value ..... <b>2a</b> <u>0</u>
<b>b</b>	Actuarial value ..... <b>2b</b> <u>0</u>
<b>3</b>	Funding target/participant count breakdown:
	(1) Number of participants (2) Funding Target
<b>a</b>	For retired participants and beneficiaries receiving payment ..... <b>3a</b> <u>0</u> <u>0</u>
<b>b</b>	For terminated vested participants ..... <b>3b</b> <u>0</u> <u>0</u>
<b>c</b>	For active participants:
(1)	Non-vested benefits ..... <b>3c(1)</b> <u>0</u>
(2)	Vested benefits ..... <b>3c(2)</b> <u>270054</u>
(3)	Total active ..... <b>3c(3)</b> <u>8</u> <u>270054</u>
<b>d</b>	Total ..... <b>3d</b> <u>8</u> <u>270054</u>
<b>4</b>	If the plan is in at-risk status, check the box and complete lines (a) and (b) ..... <input type="checkbox"/>
<b>a</b>	Funding target disregarding prescribed at-risk assumptions ..... <b>4a</b>
<b>b</b>	Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor ..... <b>4b</b>
<b>5</b>	Effective interest rate ..... <b>5</b> <u>5.71</u> %
<b>6</b>	Target normal cost ..... <b>6</b> <u>0</u>

**Statement by Enrolled Actuary**

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

<b>SIGN HERE</b>	<u>04/29/2012</u>
Signature of actuary	Date
<u>MICHAEL B. MCELLIGOTT</u>	<u>11-02758</u>
Type or print name of actuary	Most recent enrollment number
<u>MICHAEL B. MCELLIGOTT</u>	<u>978-667-0728</u>
Firm name	Telephone number (including area code)
<u>85 DUDLEY ROAD</u> <u>BILLERICA, MA 01821-4132</u>	
Address of the firm	

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

**For Paperwork Reduction Act Notice and OMB Control Numbers, see the instructions for Form 5500 or 5500-SF.**

**Schedule SB (Form 5500) 2011**  
**v.012611**

<b>Part II</b>		<b>Beginning of year carryover and prefunding balances</b>	
		(a) Carryover balance	(b) Prefunding balance
<b>7</b>	Balance at beginning of prior year after applicable adjustments (line 13 from prior year) .....	0	0
<b>8</b>	Portion elected for use to offset prior year's funding requirement (line 35 from prior year) .....	0	0
<b>9</b>	Amount remaining (line 7 minus line 8) .....	0	0
<b>10</b>	Interest on line 9 using prior year's actual return of _____ % .....		
<b>11</b>	Prior year's excess contributions to be added to prefunding balance:		
<b>a</b>	Present value of excess contributions (line 38 from prior year) .....		28251
<b>b</b>	Interest on (a) using prior year's effective rate of <u>6.18</u> % except as otherwise provided (see instructions) .....		0
<b>c</b>	Total available at beginning of current plan year to add to prefunding balance .....		28251
<b>d</b>	Portion of (c) to be added to prefunding balance .....		0
<b>12</b>	Other reductions in balances due to elections or deemed elections .....	0	0
<b>13</b>	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12) .....	0	0

<b>Part III</b>		<b>Funding percentages</b>	
<b>14</b>	Funding target attainment percentage .....	<b>14</b>	0.00 %
<b>15</b>	Adjusted funding target attainment percentage .....	<b>15</b>	100.00 %
<b>16</b>	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement .....	<b>16</b>	112.17 %
<b>17</b>	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage .....	<b>17</b>	0.00 %

<b>Part IV</b>		<b>Contributions and liquidity shortfalls</b>			
<b>18</b> Contributions made to the plan for the plan year by employer(s) and employees:					
(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
Totals ►			<b>18(b)</b>	0	<b>18(c)</b> 0

<b>19</b> Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:	
<b>a</b> Contributions allocated toward unpaid minimum required contributions from prior years .....	<b>19a</b> 0
<b>b</b> Contributions made to avoid restrictions adjusted to valuation date .....	<b>19b</b> 0
<b>c</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date .....	<b>19c</b> 0
<b>20</b> Quarterly contributions and liquidity shortfalls:	
<b>a</b> Did the plan have a "funding shortfall" for the prior year? .....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>b</b> If 20a is "Yes," were required quarterly installments for the current year made in a timely manner? .....	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>c</b> If 20a is "Yes," see instructions and complete the following table as applicable:	
Liquidity shortfall as of end of quarter of this plan year	
(1) 1st	(2) 2nd
(3) 3rd	(4) 4th

**Part V Assumptions used to determine funding target and target normal cost**

<b>21</b> Discount rate:				
<b>a</b> Segment rates:	1st segment: 1.99%	2nd segment: 5.12%	3rd segment: 6.24 %	<input type="checkbox"/> N/A, full yield curve used
<b>b</b> Applicable month (enter code) .....				<b>21b</b> 0
<b>22</b> Weighted average retirement age .....				<b>22</b> 65
<b>23</b> Mortality table(s) (see instructions) <input checked="" type="checkbox"/> Prescribed - combined <input type="checkbox"/> Prescribed - separate <input type="checkbox"/> Substitute				

**Part VI Miscellaneous items**

<b>24</b> Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment. ....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>25</b> Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>26</b> Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment.....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>27</b> If the plan is eligible for (and is using) alternative funding rules, enter applicable code and see instructions regarding attachment.....	<b>27</b>

**Part VII Reconciliation of unpaid minimum required contributions for prior years**

<b>28</b> Unpaid minimum required contributions for all prior years .....	<b>28</b>	0
<b>29</b> Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....	<b>29</b>	0
<b>30</b> Remaining amount of unpaid minimum required contributions (line 28 minus line 29) .....	<b>30</b>	0

**Part VIII Minimum required contribution for current year**

<b>31</b> Target normal cost and excess assets (see instructions):			
<b>a</b> Target normal cost (line 6) .....	<b>31a</b>	0	
<b>b</b> Excess assets, if applicable, but not greater than 31a .....	<b>31b</b>	0	
<b>32</b> Amortization installments:	Outstanding Balance	Installment	
<b>a</b> Net shortfall amortization installment .....	0	0	
<b>b</b> Waiver amortization installment .....	0	0	
<b>33</b> If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount .....	<b>33</b>		
<b>34</b> Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)...	<b>34</b>	0	
	Carryover balance	Prefunding balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement.....	0	0	0
<b>36</b> Additional cash requirement (line 34 minus line 35) .....	<b>36</b>	0	
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c) .....	<b>37</b>	0	
<b>38</b> Present value of excess contributions for current year (see instructions)			
<b>a</b> Total (excess, if any, of line 37 over line 36) .....	<b>38a</b>	0	
<b>b</b> Portion included in line 38a attributable to use of prefunding and funding standard carryover balances .....	<b>38b</b>	0	
<b>39</b> Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37) .....	<b>39</b>	0	
<b>40</b> Unpaid minimum required contributions for all years.....	<b>40</b>	0	

**Part IX Pension funding relief under Pension Relief Act of 2010 (see instructions)**

<b>41</b> If a shortfall amortization base is being amortized pursuant to an alternative amortization schedule:			
<b>a</b> Schedule elected .....	<input type="checkbox"/> 2 plus 7 years <input type="checkbox"/> 15 years		
<b>b</b> Eligible plan year(s) for which the election in line 41a was made .....	<input type="checkbox"/> 2008 <input type="checkbox"/> 2009 <input type="checkbox"/> 2010 <input type="checkbox"/> 2011		
<b>42</b> Amount of acceleration adjustment .....	<b>42</b>		
<b>43</b> Excess installment acceleration amount to be carried over to future plan years .....	<b>43</b>		

**SCHEDULE SB  
(Form 5500)**Department of the Treasury  
Internal Revenue ServiceDepartment of Labor  
Employee Benefits Security Administration  
Pension Benefit Guaranty Corporation**Single-Employer Defined Benefit Plan  
Actuarial Information**

This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).

▶ **File as an attachment to Form 5500 or 5500-SF.**

OMB No. 1210-0110

**2011****This Form is Open to Public Inspection**For calendar plan year 2011 or fiscal plan year beginning 01/01/2011 and ending 12/28/2011▶ **Round off amounts to nearest dollar.**▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

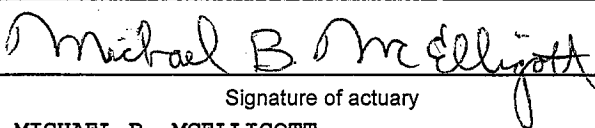
<b>A</b> Name of plan COGENS, INC. DEFINED BENEFIT PLAN		<b>B</b> Three-digit plan number (PN) ▶ <u>001</u>
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF COGENS, INC.		<b>D</b> Employer Identification Number (EIN) <u>05-0122070</u>
<b>E</b> Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B		<b>F</b> Prior year plan size: <input checked="" type="checkbox"/> 100 or fewer <input type="checkbox"/> 101-500 <input type="checkbox"/> More than 500

**Part I Basic Information**

<b>1</b> Enter the valuation date: Month <u>12</u> Day <u>28</u> Year <u>2011</u>			
<b>2</b> Assets:			
<b>a</b> Market value .....	<b>2a</b>	<u>0</u>	
<b>b</b> Actuarial value .....	<b>2b</b>	<u>0</u>	
<b>3</b> Funding target/participant count breakdown		(1) Number of participants	(2) Funding Target
<b>a</b> For retired participants and beneficiaries receiving payment .....	<b>3a</b>	<u>0</u>	<u>0</u>
<b>b</b> For terminated vested participants .....	<b>3b</b>	<u>0</u>	<u>0</u>
<b>c</b> For active participants:			
(1) Non-vested benefits .....	<b>3c(1)</b>		<u>0</u>
(2) Vested benefits .....	<b>3c(2)</b>		<u>270,054</u>
(3) Total active .....	<b>3c(3)</b>	<u>8</u>	<u>270,054</u>
<b>d</b> Total .....	<b>3d</b>	<u>8</u>	<u>270,054</u>
<b>4</b> If the plan is in at-risk status, check the box and complete lines (a) and (b) <input type="checkbox"/>			
<b>a</b> Funding target disregarding prescribed at-risk assumptions .....	<b>4a</b>		
<b>b</b> Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been at-risk status for fewer than five consecutive years and disregarding loading factor .....	<b>4b</b>		
<b>5</b> Effective interest rate .....	<b>5</b>	<u>5.71</u>	
<b>6</b> Target normal cost .....	<b>6</b>	<u>0</u>	

**Statement by Enrolled Actuary**

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

<b>SIGN HERE</b>		<u>04/29/2012</u>
	Signature of actuary	Date
	<u>MICHAEL B. MCELLIGOTT</u>	<u>11-02758</u>
	Type or print name of actuary	Most recent enrollment number
<u>MICHAEL B. MCELLIGOTT</u>		<u>(978) 667-0728</u>
Firm name		Telephone number (including area code)
<u>85 DUDLEY ROAD</u>		
<u>US BILLERICA MA 01821-4132</u>		
Address of the firm		

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

For Paperwork Reduction Act Notice and OMB Control Numbers, see the instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2011  
v.012611

**Part II Beginning of year carryover and prefunding balances**

	(a) Carryover balance	(b) Prefunding balance
<b>7</b> Balance at beginning of prior year after applicable adjustments (line 13 from prior year) .....	0	0
<b>8</b> Portion elected to use to offset prior year's funding requirement (line 35 from prior year) .....	0	0
<b>9</b> Amount remaining (line 7 minus line 8) .....	0	0
<b>10</b> Interest on line 9 using prior year's actual return of _____ % .....	0	0
<b>11</b> Prior year's excess contributions to be added to prefunding balance:		
<b>a</b> Present value of excess contributions (line 38 from prior year) .....		28,251
<b>b</b> Interest on (a) using prior year's effective rate of <u>6.18</u> % except as otherwise provided (see instructions) .....		0
<b>c</b> Total available at beginning of current plan year to add to prefunding balance..		28,251
<b>d</b> Portion of (c) to be added to prefunding balance .....		0
<b>12</b> Other reductions in balances due to elections or deemed elections .....	0	0
<b>13</b> Balance at beginning of current year (line 9 + line 10 + line 11d - line 12) .....	0	0

**Part III Funding percentages**

<b>14</b> Funding target attainment percentage .....	<b>14</b>	0.00 %
<b>15</b> Adjusted funding target attainment percentage .....	<b>15</b>	100.00 %
<b>16</b> Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement .....	<b>16</b>	112.17 %
<b>17</b> If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage .....	<b>17</b>	0.00 %

**Part IV Contributions and liquidity shortfalls****18** Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
<b>Totals ▶</b>			<b>18(b)</b>	0	<b>18(c)</b> 0

**19** Discounted employer contributions -- see instructions for small plan with a valuation date after the beginning of the year:

<b>a</b> Contributions allocated toward unpaid minimum required contribution from prior years .....	<b>19a</b>	0
<b>b</b> Contributions made to avoid restrictions adjusted to valuation date .....	<b>19b</b>	0
<b>c</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date ..	<b>19c</b>	0

**20** Quarterly contributions and liquidity shortfall(s):

**a** Did the plan have a "funding shortfall" for the prior year? ☐ Yes ☒ No

**b** If 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No

**c** If 20a is "Yes," see instructions and complete the following table as applicable:

## Liquidity shortfall as of end of Quarter of this plan year

(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

**Part V Assumptions used to determine funding target and target normal cost****21** Discount rate:**a** Segment rates:1st segment:  
1.99 %2nd segment:  
5.12 %3rd segment:  
6.24 %☐ N/A, full yield curve used**b** Applicable month (enter code) . . . . .**21b**

0

**22** Weighted average retirement age . . . . .**22**

65

**23** Mortality table(s) (see instructions)☒ Prescribed - combined☐ Prescribed - separate☐ Substitute**Part VI Miscellaneous items****24** Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment . . . . .☐ Yes ☒ No**25** Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment . . . . .☐ Yes ☒ No**26** Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment . . . . .☒ Yes ☐ No**27** If the plan is eligible for (and is using) alternative funding rules, enter applicable code and see instructions regarding attachment . . . . .**27****Part VII Reconciliation of unpaid minimum required contributions for prior years****28** Unpaid minimum required contribution for all prior years . . . . .**28**

0

**29** Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a) . . . . .**29**

0

**30** Remaining amount of unpaid minimum required contributions (line 28 minus line 29) . . . . .**30**

0

**Part VIII Minimum required contribution for current year****31** Target normal cost, adjusted, if applicable (see instructions)**a** Target normal cost (line 6) . . . . .**31a**

0

**b** Excess assets, if applicable, but not greater than 31a . . . . .**31b**

0

**32** Amortization installments:

Outstanding Balance

Installment

**a** Net shortfall amortization installment . . . . .

0

0

**b** Waiver amortization installment . . . . .

0

0

**33** If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month \_\_\_\_\_ Day \_\_\_\_\_ Year \_\_\_\_\_) and the waived amount . . . . .**33****34** Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33) . . . . .**34**

0

Carryover balance

Prefunding Balance

Total balance

**35** Balances elected to use to offset funding requirement . . . . .

0

0

0

**36** Additional cash requirement (line 34 minus line 35) . . . . .**36**

0

**37** Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c) . . . . .**37**

0

**38** Present value of excess contributions for current year (see instructions)**a** Total (excess, if any, of line 37 over line 36) . . . . .**38a**

0

**b** Portion included in line 38a attributable to use of prefunding and funding standard carryover balances . . . . .**38b**

0

**39** Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37) . . . . .**39****40** Unpaid minimum required contribution for all years . . . . .**40****Part IX Pension funding relief under Pension Relief Act of 2010 (see instructions)****41** If a shortfall amortization base is being amortized pursuant to an alternative amortization schedule:**a** Schedule elected . . . . . ☐ 2 plus 7 years ☐ 15 years**b** Eligible plan year(s) for which the election in line 41a was made . . . . . ☐ 2008 ☐ 2009 ☐ 2010 ☐ 2011**42** Amount of acceleration adjustment . . . . .**42****43** Excess installment acceleration amount to be carried over to future plan years . . . . .**43**



TYPE OF ENTITY	Corporation.
DATES	Effective-12/31/1973    Valuation-12/28/2011    Eligibility-12/31/2011    Year-end-12/31/2011
ELIGIBILITY	Minimum age- None    Months of service- None    Maximum age- None Age at last birthday.    Other ages at nearest birthday. Entry Age For Full Funding Limitation Calculation - as of date of hire.  HOURS REQUIRED FOR Eligibility - 1000                      Benefit accrual - 1000                      Vesting - 1000  PLAN ENTRY - January 1 or July 1 immediately following satisfaction of eligibility requirements.
RETIREMENT	NORMAL - First of month coincident with or following attainment of age 65, and completion of 5 years of participation.  EARLY - Upon attainment of age 60. (100% vested upon satisfaction of early retirement provisions).
AVERAGE COMPENSATION -- (prospective salaries)	
	FUNDING - 5 Highest consecutive years. ACCRUED BENEFIT - 5 Highest consecutive years.
PLAN BENEFITS	
RETIREMENT--	0.000% of average monthly compensation. Total benefit reduced by 1/25 for each year of service less than 25 years.  415 Limits - Percent 100.00    Dollar -        \$16,250  Minimum benefit - None                      Maximum benefit - None  Maximum 401(a)(17) compensation        \$245,000

Schedule SB, part V - Summary of Plan Provisions  
COGENS, INC.  
DEFINED BENEFIT PLAN  
05-0122070/001  
FOR THE PLAN YEAR 01/01/2011 THROUGH 12/31/2011

NORMAL FORM	Life Annuity.
DEATH BENEFIT	Present value of accrued benefits.
ACCRUED BENEFIT	Pro-rata based on service (calculated as of beginning of plan year).  Maximum allowable distribution is lump sum equivalent of normal form not to exceed 415 maximum allowable distribution, which is lesser amount computed using a) 4.420% interest and 94 GAR mortality unisex projected to 2002 or b) plan actuarial equivalence interest and mortality.
TERMINATION BENEFITS	100% full and immediate. Service is calculated using all years of service.
CONTRIBUTIONS	EMPLOYEE REQUIRED -- None  EMPLOYEE VOLUNTARY -- None
ASSET VALUATION METHOD	Market value.

Schedule SB, part V - Statement of Actuarial Assumptions/Methods  
 COGENS, INC.  
 DEFINED BENEFIT PLAN  
 05-0122070/001  
 FOR THE PLAN YEAR 01/01/2011 THROUGH 12/31/2011

FUNDING METHOD           As prescribed in IRC Section 430.

INTEREST RATES       Years 0-5       Segment rate 1   1.990%  
                       Years 6-20      Segment rate 2   5.120%  
                       Years over 20   Segment rate 3   6.240%

PRE-RETIREMENT       MORTALITY TABLE --   None.  
                       TURNOVER/DISABILITY-- None  
                       SALARY SCALE --       None  
                       INTEGRATION LVL INCR- None  
                       BACKWARD SALARY PROJ. Based on increase of average earnings

POST-RETIREMENT      MORTALITY TABLE --   2011 Funding Target - Combined - IRC 430(h)(3)(A).  
                       EXPENSE LOAD --       None  
                       COST OF LIVING       None

417(e)

PRESENT VALUE OF ACCRUED BENEFIT CALCULATIONS - Greater of 417(e) or Actuarial Equivalence

INTEREST RATES       Years 0-5       Segment rate 1   2.470%  
                       Years 6-20      Segment rate 2   5.070%  
                       Years over 20   Segment rate 3   6.100%

MORTALITY TABLE --   2011 Applicable Mortality Table for 417(e) (Unisex).

Actuarial Equivalence

PRE-RETIREMENT       INTEREST --           9.000%  
                       MORTALITY TABLE --   1971 INDIVIDUAL ANNUITY male rates.

POST-RETIREMENT      INTEREST --           6.000%  
                       MORTALITY TABLE --   1971 INDIVIDUAL ANNUITY male rates.

**Schedule SB, line 22 -  
Description of Weighted Average Retirement Age**

**COGENS, INC. DEFINED BENEFIT PLAN**

**05-0122070 / 001**

**For the plan year 1/1/2011 through 12/31/2011**

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The age reported is the average of the assumed retirement ages for all active participants as of the valuation date rounded to the nearest whole age. For an active late retiree, the assumed retirement age may be later than the Plan's normal retirement age. Each participant's rate of retirement is assumed to be 100% of his/her assumed retirement age.

Schedule SB, line 32 - Schedule of Amortization Bases  
COGENS, INC.  
DEFINED BENEFIT PLAN  
05-0122070/001  
FOR THE PLAN YEAR 01/01/2011 THROUGH 12/31/2011

Type of Base	Present Value of Remaining Instalments	Date Base Established	Years Remaining Amortization Period	Amortization Installment
Shortfall	276,745	12/28/11	7	43,728