

SINNER WIND S.r.l.

REALIZZAZIONE DI UN IMPIANTO EOLICO DELLA POTENZA DI 59,4 MWp RICADENTE NEI TERRITORI DI SCANDALE (KR) E SAN MAURO MARCHESATO (KR) E DELLE RELATIVE OPERE DI CONNESSIONE



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1. PREMESSA

Oggetto della presente è la progettazione definitiva per la realizzazione di un parco eolico proposto dalla società **SINNER WIND S.r.l.**

La proposta progettuale è finalizzata alla realizzazione di un impianto per la produzione di energia elettrica da fonte rinnovabile eolica, costituito da 9 aerogeneratori, del tipo Siemens-Gamesa con rotore pari a 170 m e altezza al tip pari a 220 m, per una potenza complessiva di 59,4 MW, da realizzarsi nei comuni di Scandale (KR) e San Mauro Marchesato (KR), in cui insistono gli aerogeneratori, le opere di connessione e la cabina utente per il collegamento in antenna a 36 kV su una nuova Stazione Elettrica (SE) a 380/150/36 kV della RTN da inserire in entra-esce alla linea RTN a 380 kV "Belcastro-Scandale".

Gli aerogeneratori saranno ad asse orizzontale, costituiti da un sistema tripala, con generatore di tipo asincrono o sincrono. Il tipo di aerogeneratore da utilizzare verrà scelto in fase di progettazione esecutiva dell'impianto, le dimensioni previste per l'aerogeneratore tipo sono: diametro del rotore 170 m, altezza mozzo 135 m.

Nella presente relazione verranno riportati i calcoli preliminari delle strutture di fondazione. In particolare si analizzano le azioni agenti sulla fondazione dell'aerogeneratore, verificando, in funzione delle caratteristiche geotecniche del terreno, la capacità portante dello stesso alle azioni agenti.

La torre, il generatore e la cabina di trasformazione andranno a scaricare su una struttura di fondazione in cemento armato del tipo diretto.

La fondazione viene calcolata in modo tale da poter sopportare il carico della macchina e il momento prodotto sia dal carico concentrato posto in testa alla torre che dall'azione cinetica delle pale in movimento.

Le verifiche di stabilità del terreno e delle strutture di fondazione sono state eseguite con i metodi ed i procedimenti della geotecnica, tenendo conto delle massime sollecitazioni sul terreno che la struttura trasmette.

Le strutture di fondazione sono dimensionate in conformità alla normativa tecnica vigente.

Tutti i calcoli di seguito riportati e la relativa scelta di materiali, sezioni e dimensioni andranno verificati in sede di progettazione esecutiva e potranno pertanto subire variazioni anche sostanziali per mantenere i necessari livelli di sicurezza.

2. NORMATIVE DI RIFERIMENTO

- Legge nr. 1086 del 05/11/1971.

Norme per la disciplina delle opere in conglomerato cementizio, normale e precompresso ed a struttura metallica.

- Legge nr. 64 del 02/02/1974.

Provvedimenti per le costruzioni con particolari prescrizioni per le zone sismiche.

- D.M. LL.PP. del 11/03/1988.

Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione.

- D.M. LL.PP. del 14/02/1992.

Norme tecniche per l'esecuzione delle opere in cemento armato normale e precompresso e per le strutture metalliche.

- D.M. 9 Gennaio 1996

Norme Tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato normale e precompresso e per le strutture metalliche

- D.M. 16 Gennaio 1996

Norme Tecniche relative ai 'Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi'

- D.M. 16 Gennaio 1996

Norme Tecniche per le costruzioni in zone sismiche

- Circolare Ministero LL.PP. 15 Ottobre 1996 N. 252 AA.GG./S.T.C.

Istruzioni per l'applicazione delle Norme Tecniche di cui al D.M. 9 Gennaio 1996

- Circolare Ministero LL.PP. 10 Aprile 1997 N. 65/AA.GG.

Istruzioni per l'applicazione delle Norme Tecniche per le costruzioni in zone sismiche di cui al D.M. 16 Gennaio 1996

Norme Tecniche per le Costruzioni 2018 (D.M. 17 Gennaio 2018)

- CIRCOLARE 21 gennaio 2019, n. 7 C.S.LL.PP.

Istruzioni per l'applicazione dell'«Aggiornamento delle "Norme tecniche per le costruzioni"» di cui al decreto ministeriale 17 gennaio 2018.

3. RICHIAMI TEORICI - METODI DI ANALISI

Calcolo - Analisi ad elementi finiti

Per l'analisi platea si utilizza il metodo degli elementi finiti (FEM). La struttura viene suddivisa in elementi connessi fra di loro in corrispondenza dei nodi. Il campo di spostamenti interno all'elemento viene approssimato in funzione degli spostamenti nodali mediante le funzioni di forma. Il programma utilizza, per l'analisi tipo piastra, elementi quadrangolari e triangolari. Nel problema di tipo piastra gli spostamenti nodali sono lo spostamento verticale w e le rotazioni intorno agli assi x e y , ϕ_x e ϕ_y , legati allo spostamento w tramite relazioni

$$\begin{aligned}\phi_x &= -dw/dy \\ \phi_y &= dw/dx\end{aligned}$$

Note le funzioni di forma che legano gli spostamenti nodali al campo di spostamenti sul singolo elemento è possibile costruire la matrice di rigidezza dell'elemento \mathbf{k}_e ed il vettore dei carichi nodali dell'elemento \mathbf{p}_e .

La fase di assemblaggio consente di ottenere la matrice di rigidezza globale della struttura \mathbf{K} ed il vettore dei carichi nodali \mathbf{p} . La soluzione del sistema

$$\mathbf{K} \mathbf{u} = \mathbf{p}$$

consente di ricavare il vettore degli spostamenti nodali \mathbf{u} .

Dagli spostamenti nodali è possibile risalire per ogni elemento al campo di spostamenti ed alle sollecitazioni M_x , M_y ed M_{xy} .

Il terreno di fondazione se presente viene modellato con delle molle disposte in corrispondenza dei nodi. La rigidezza delle molle è proporzionale alla costante di sottofondo k ed all'area dell'elemento.

Per l'analisi tipo lastra (analisi della piastra soggetta a carichi nel piano) vengono utilizzati elementi triangolari a 6 nodi a deformazione quadratica. Gli spostamenti nodali sono gli spostamenti u e v nel piano XY . L'analisi fornisce in tal caso il campo di spostamenti orizzontali e le tensioni nel piano della lastra σ_x , σ_y e τ_{xy} . Dalle tensioni è possibile ricavare, noto lo spessore, gli sforzi normali N_x , N_y e N_{xy} .

Nel caso di platea nervata le nervature sono modellate con elementi tipo trave (con eventuale rigidezza torsionale) connesse alla piastra in corrispondenza dei nodi degli elementi.

Verifica al carico limite

Il rapporto fra il carico limite in fondazione e la componente normale della risultante dei carichi trasmessi dal muro sul terreno di fondazione deve essere superiore a η_q . Cioè, detto Q_u , il carico limite ed R la risultante verticale dei carichi in fondazione, deve essere:

$$\frac{Q_u}{R} \geq \eta_q$$

Le espressioni di Hansen per il calcolo della capacità portante si differenziano a secondo se siamo in presenza di un terreno puramente coesivo ($\phi=0$) o meno e si esprimono nel modo seguente:

Caso generale $\phi > 0$

$$q_{u1} = c N_c s_c d_c i_c g_c b_c + q N_q s_q d_q i_q g_q b_q + 0.5 B \gamma N_\gamma s_\gamma d_\gamma i_\gamma g_\gamma b_\gamma$$

Caso di terreno puramente coesivo $\phi=0$

$$q_{ult} = 5.14c_{u1}(1 + s_c + d_c - i_c - g_c - b_c) + q$$

I fattori che compaiono in queste espressioni sono espressi da:

- N fattori di capacità portante
- s fattori di forma
- d fattori di profondità
- i fattori di inclinazione del carico
- b fattori di inclinazione del piano di fondazione (base inclinata), con η inclinazione del piano di posa
- g fattori di inclinazione del terreno (fondazione su pendio), con β pendenza del pendio

Fattori di capacità portante		$N_c = (N_q - 1) \cot \varphi$	$N_q = e^{\eta \tan \varphi} K_p$	$N_y = 1.5(N_q - 1) \tan \varphi$
Fattori di forma	$\varphi = 0$	$s_c = 0.2 \frac{B}{L}$		
	$\varphi > 0$	$s_c = 1 + \frac{N_q B}{N_c L}$	$s_q = 1 + \frac{B}{L} \tan \varphi$	$s_y = 1 - 0.4 \frac{B}{L}$
Fattori di profondità	$\varphi = 0$	$d_c = 0.4k$		
	$\varphi > 0$	$d_c = 1 + 0.4k$	$d_q = 1 + 2 \tan \varphi (1 - \sin \varphi)^{2k}$	$d_y = 1$
Fattori di inclinazione del carico	$\varphi = 0$	$i_c = 0.5 \left(1 - \sqrt{1 - \frac{H}{A_r c_u}} \right)$		
	$\varphi > 0$	$i_c = i_q - \frac{1 - i_q}{N_q - 1}$	$i_q = \left(1 - \frac{0.5H}{V + A_r c_u \cot \varphi} \right)^5$	$i_y = \left(1 - \frac{0.7H}{V + A_r c_u \cot \varphi} \right)^5$ per $\eta = 0$ $i_y = \left(1 - \frac{(0.7 - \eta^2/450)H}{V + A_r c_u \cot \varphi} \right)^5$ per $\eta > 0$
Fattori di inclinazione del piano di fondazione (base inclinata)	$\varphi = 0$	$b_c = \frac{\eta^{\circ}}{147^{\circ}}$		
	$\varphi > 0$	$b_c = 1 - \frac{\eta^{\circ}}{147^{\circ}}$	$b_q = e^{-2\eta \tan \varphi}$	$b_y = e^{-2.7\eta \tan \varphi}$
Fattori di inclinazione del terreno (fondazione su pendio)	$\varphi = 0$	$g_c = \frac{\beta^{\circ}}{147^{\circ}}$		
	$\varphi > 0$	$g_c = 1 - \frac{\beta^{\circ}}{147^{\circ}}$	$g_q = (1 - 0.5 \tan \beta)^5$	$g_y = (1 - 0.5 \tan \beta)^5$

Indichiamo con K_p il coefficiente di spinta passiva espresso da:

$$K_p = \tan^2\left(45^\circ + \frac{\varphi}{2}\right)$$

Dove i coeff. k e m assumono le seguenti espressioni:

$k = \frac{D}{B}$ se $\frac{D}{B} \leq 1$	$k = \arctan \frac{D}{B}$ se $\frac{D}{B} > 1$	$m = \frac{2 + \frac{B}{L}}{1 + \frac{B}{L}}$
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Indichiamo con V e H le componenti del carico rispettivamente perpendicolare e parallela alla base e con A_f l'area efficace della fondazione ottenuta come $A_f = B' \times L'$ (B' e L' sono legate alle dimensioni effettive della fondazione B , L e all'eccentricità del carico e_B , e_L dalle relazioni $B' = B - 2e_B$, $L' = L - 2e_L$) e con η l'angolo di inclinazione della fondazione espresso in gradi ($\eta=0$ per fondazione orizzontale).

Per poter applicare la formula di Vesic devono risultare verificate le seguenti condizioni:

$H < V \tan \delta + A_f c_a$	$\beta \leq \varphi$	$i_q, i_\gamma > 0$	$\beta + \eta \leq 90^\circ$
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Riduzione per eccentricità del carico

Nel caso in cui il carico al piano di posa della fondazione risulta eccentrico, Meyerhof propone di moltiplicare la capacità portante ultima per un fattore correttivo R_e

$R_e = 1.0 - 2.0 \frac{e}{B}$	per terreni coesivi
$R_e = 1.0 - \sqrt{\frac{e}{B}}$	per terreni incoerenti

con e eccentricità del carico e B la dimensione minore della fondazione.

Riduzione per effetto piastra

Per valori elevati di B (dimensione minore della fondazione), Bowles propone di utilizzare un fattore correttivo r_γ del solo termine sul peso di volume ($0.5 B \gamma N_\gamma$) quando B supera i 2 m.

$$r_\gamma = 1.0 - 0.25 \log \frac{B}{2.0}$$

Il termine sul peso di volume diventa:

$$0.5 B \gamma N_\gamma r_\gamma$$

Cedimenti della fondazione



Metodo Edometrico

Il metodo edometrico è il classico procedimento per il calcolo dei cedimenti in terreni a grana fina, proposto da Terzaghi negli anni '20.

L'ipotesi edometrica è verificata con approssimazione tanto migliore quanto più ridotto è il valore del rapporto tra lo spessore dello strato compressibile e la dimensione in pianta della fondazione.

Tuttavia il metodo risulta dotato di ottima approssimazione anche nei casi di strati deformabili di grande spessore.

L'implementazione del metodo è espressa secondo la seguente espressione:

$$\Delta H = \sum_{i=1}^n \frac{\Delta \sigma_i}{E_{ed,i}} \Delta z_i$$

dove:

$\Delta \sigma$ è la tensione indotta nel terreno, alla profondità z , dalla pressione di contatto della fondazione;

E_{ed} è il modulo elastico determinato attraverso la prova edometrica e relativa allo strato i -esimo;

Δz rappresenta lo spessore dello strato i -esimo in cui è stato suddiviso lo strato compressibile e per il quale si conosce il modulo elastico.

Lo spessore dello strato compressibile considerato nell'analisi dei cedimenti è stato determinato in funzione della percentuale della tensione di contatto.

Disposizione delle armature

Le armature vengono disposte secondo due direzioni, una principale ed una secondaria. Per il calcolo delle stesse si fa riferimento ai valori nodali delle sollecitazioni ottenute dall'analisi ad elementi finiti. Per la disposizione delle stesse occorre suddividere la piastra in un numero di strisce opportuno nelle due direzioni.

Il programma utilizza strisce della larghezza di circa un metro.

Dati

Materiali

Simbologia adottata

n°	Indice materiale
TC	Tipo calcestruzzo
Rck	Resistenza cubica caratteristica, espresso in [kg/cmq]
fc _m	Resistenza caratteristica media (solo per verifica strutture esistenti), espressa in [kg/cmq]
γ _{cls}	Peso specifico calcestruzzo, espresso in [kN/mc]
E	Modulo elastico calcestruzzo, espresso in [kg/cmq]
ν	Coeff. di Poisson
n	Coeff. di omogeneizzazione
TA	Tipo acciaio

n°	Descrizione	TC	Rck [kg/cm ²]	fc _m [kN/mc]	γ _{cls} [kg/cm ³]	E [kg/cm ²]	ν	n	TA
1	Piastra	C32/40	407.88	--	24.52	343054.09	0.200	15.00	B450C

Geometria

Struttura:	Nuova
Materiale:	Cls Pali
Piano di posa:	2.50 [m]
Aliquota costante di Winkler:	1.00 [kg/cm ² /cm]
Filo fisso:	Inferiore
Disposizioni travi:	Superiore
Spessore magrone:	0.00 [m]

Coordinate contorno esterno

n°	X [m]	Y [m]	n°	X [m]	Y [m]	n°	X [m]	Y [m]	n°	X [m]	Y [m]
1	25.50	11.50	2	25.43	12.87	3	25.23	14.23	4	24.90	15.56
5	24.43	16.86	6	23.85	18.10	7	23.14	19.28	8	22.32	20.38
9	21.40	21.40	10	20.38	22.32	11	19.28	23.14	12	18.10	23.85
13	16.86	24.43	14	15.56	24.90	15	14.23	25.23	16	12.87	25.43
17	11.50	25.50	18	10.13	25.43	19	8.77	25.23	20	7.44	24.90
21	6.14	24.43	22	4.90	23.85	23	3.72	23.14	24	2.62	22.32
25	1.60	21.40	26	0.68	20.38	27	-0.14	19.28	28	-0.85	18.10
29	-1.43	16.86	30	-1.90	15.56	31	-2.23	14.23	32	-2.43	12.87
33	-2.50	11.50	34	-2.43	10.13	35	-2.23	8.77	36	-1.90	7.44
37	-1.43	6.14	38	-0.85	4.90	39	-0.14	3.72	40	0.68	2.62
41	1.60	1.60	42	2.62	0.68	43	3.72	-0.14	44	4.90	-0.85
45	6.14	-1.43	46	7.44	-1.90	47	8.77	-2.23	48	10.13	-2.43
49	11.50	-2.50	50	12.87	-2.43	51	14.23	-2.23	52	15.56	-1.90
53	16.86	-1.43	54	18.10	-0.85	55	19.28	-0.14	56	20.38	0.68
57	21.40	1.60	58	22.32	2.62	59	23.14	3.72	60	23.85	4.90
61	24.43	6.14	62	24.90	7.44	63	25.23	8.77	64	25.43	10.13

Spessori piastra

Simbologia adottata

Sp Spessore, espresso in [cm]
 n° Indice del punto
 X, Y Ascissa e ordinata del punto, espresso in [cm]

Sp [cm]	n°	X [m]	Y [m]	n°	X [m]	Y [m]	n°	X [m]	Y [m]	n°	X [m]	Y [m]	
120.00	1	-2.50	-2.50	2	25.50	-2.50	3	25.50	25.50	4	-2.50	25.50	
	200.00	1	10.59	2.25	2	12.41	2.25	3	14.20	2.61	4	15.88	3.31
		5	17.39	4.32	6	18.68	5.61	7	19.69	7.12	8	20.39	8.80
		9	20.75	10.59	10	20.75	12.41	11	20.39	14.20	12	19.69	15.88
		13	18.68	17.39	14	17.39	18.68	15	15.88	19.69	16	14.20	20.39
350.00	17	12.41	20.75	18	10.59	20.75	19	8.80	20.39	20	7.12	19.69	
	21	5.61	18.68	22	4.32	17.39	23	3.31	15.88	24	2.61	14.20	
	25	2.25	12.41	26	2.25	10.59	27	2.61	8.80	28	3.31	7.12	
	29	4.32	5.61	30	5.61	4.32	31	7.12	3.31	32	8.80	2.61	
	1	11.05	6.96	2	11.95	6.96	3	12.82	7.14	4	13.65	7.48	
	5	14.39	7.98	6	15.02	8.61	7	15.52	9.35	8	15.86	10.18	
	9	16.04	11.05	10	16.04	11.95	11	15.86	12.82	12	15.52	13.65	
	13	15.02	14.39	14	14.39	15.02	15	13.65	15.52	16	12.82	15.86	
	17	11.95	16.04	18	11.05	16.04	19	10.18	15.86	20	9.35	15.52	
	21	8.61	15.02	22	7.98	14.39	23	7.48	13.65	24	7.14	12.82	
25	6.96	11.95	26	6.96	11.05	27	7.14	10.18	28	7.48	9.35		
29	7.98	8.61	30	8.61	7.98	31	9.35	7.48	32	10.18	7.14		

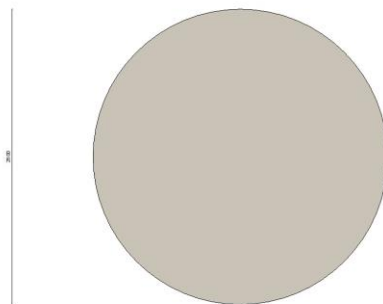


Fig. 1 - Geometria

Descrizione terreni

Caratteristiche fisico meccaniche

Simbologia adottata

Descrizione Descrizione terreno
 γ Peso di volume del terreno espresso in [kN/mc]
 γ_{sat} Peso di volume saturo del terreno espresso in [kN/mc]
 ϕ Angolo di attrito interno del terreno espresso in gradi
 δ Angolo di attrito palo-terreno espresso in gradi
 c Coesione del terreno espressa in [kg/cm^q]
 ca Adesione del terreno espressa in [kg/cm^q]
 τ_i Tensione tangenziale, per calcolo portanza micropali con il metodo di Bustamante-Doix, espressa in [kg/cm^q]
 α Coeff. di espansione laterale

Descrizione	γ [kN/mc]	γ_{sat} [kN/mc]	ϕ [°]	δ [°]	c [kg/cm q]	ca [kg/cm q]
Copertura pedogenetica	14.500	15.500	25.00	16.67	0.000	0.000
Argille grigie med. Cons.	18.500	19.500	27.00	18.00	0.500	0.250
Argille grigio-azzurre consist.	20.000	21.000	30.00	20.00	1.000	0.500

Caratteristiche di deformabilità

Simbologia adottata

Descrizione	Descrizione terreno
Ed	Modulo edometrico espresso in [kg/cmq]
RR	Rapporto di ricomprensione
CR	Rapporto di compressione
OCR	Grado di sovraconsolidazione
E	Modulo elastico espresso in [kg/cmq]
v	Coefficiente di Poisson

Descrizione	Ed [kg/cm ²]	RR	CR	OCR	E [kg/cm ²]	v
Copertura pedogenetica	1.00	0.0000	0.0000	0.0000	0.00	0.000
Argille grigie med. Cons.	0.00	0.0000	0.0000	0.0000	2783.00	0.480
Argille grigio-azzurre consist.	0.00	0.0000	0.0000	0.0000	15151.00	0.420

Descrizione stratigrafia e falda

Simbologia adottata

N	Identificativo strato
Z1	Quota dello strato in corrispondenza del punto di sondaggio n°1 espressa in [m]
Z2	Quota dello strato in corrispondenza del punto di sondaggio n°2 espressa in [m]
Z3	Quota dello strato in corrispondenza del punto di sondaggio n°3 espressa in [m]
Terreno	Terreno associato allo strato
Ks	Coeff. di spinta per calcolo resistenza attrito laterale facce verticale fondazione

	Colonna 1	Colonna 2	Colonna 3
X [m]	0.00	10.00	0.00
Y [m]	0.00	0.00	10.00

N	Z1 [m]	Z2 [m]	Z3 [m]	Terreno	Ks
1	-2.0	-2.0	-2.0	Copertura pedogenetica	
2	-7.0	-7.0	-7.0	Argille grigie med. Cons.	
3	-15.0	-15.0	-15.0	Argille grigio-azzurre consist.	

Falda

Profondità dal piano campagna 10.00 [m]



Fig. 2 - Stratigrafia

Costante di Winkler

Direzione	Simbolo	Kw [Kg/cm ² /cm]
Verticale	Kwv	0.299
Orizzontale	Kwo	Calcolata dal programma ($Kwo = Kwv \cdot \tan(\phi)$)

Convenzioni adottate

Carichi e reazioni vincolari

- Fz Carico verticale positivo verso il basso
- Fx Forza orizzontale in direzione X positiva nel verso delle X crescenti.
- Fy Forza orizzontale in direzione Y positiva nel verso delle Y crescenti.
- Mx Momento con asse vettore parallelo all'asse X positivo antiorario.
- My Momento con asse vettore parallelo all'asse Y positivo antiorario.

Sollecitazioni

- Mx Momento flettente X con asse vettore parallelo all'asse Y (positivo se tende le fibre inferiori).
- My Momento flettente Y con asse vettore parallelo all'asse X (positivo se tende le fibre inferiori).
- Mxy Momento flettente XY.

Condizioni di carico

Carichi concentrati

Simbologia adottata

- Ic Indice carico
- X Ascissa carico espressa in [m]
- Y Ordinata carico espressa in [m]
- N Carico verticale espresso in [kN]
- Mx Momento intorno all'asse X espresso in [kNm]
- My Momento intorno all'asse Y espresso in [kNm]
- Tx Forza orizzontale in direzione X espressa in [kN]
- Ty Forza orizzontale in direzione Y espressa in [kN]

Condizione n° 1 - Condizione 1 [Variabile - $\Psi_0=1.00$ $\Psi_1=1.00$ $\Psi_2=1.00$ - Partecipa al sisma]

Carichi concentrati

Oggetto	X [m]	Y [m]	N [kN]	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]
Piastra	11.50	11.50	8518.000	0.000	0.000	0.000	1900.000
Piastra	11.50	14.50	41500.000	0.000	0.000	150.000	0.000
Piastra	11.50	8.50	-41500.000	0.000	0.000	-150.000	0.000

Condizione n° 2 - Condizione 2 [Variabile - $\Psi_0=1.00$ $\Psi_1=1.00$ $\Psi_2=1.00$ - Partecipa al sisma]

Carichi concentrati

Oggetto	X [m]	Y [m]	N [kN]	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]
Piastra	11.50	11.50	7707.000	0.000	0.000	1320.000	0.000
Piastra	14.50	11.50	31200.000	0.000	0.000	50.000	0.000
Piastra	8.50	11.50	-31200.000	0.000	0.000	-50.000	0.000

Condizione n° 3 - Condizione 3 [Variabile - $\Psi_0=1.00$ $\Psi_1=1.00$ $\Psi_2=1.00$ - Partecipa al sisma]

Carichi concentrati

Oggetto	X [m]	Y [m]	N [kN]	Mx [kNm]	My [kNm]	Tx [kN]	Ty [kN]
Piastra	11.50	11.50	7545.000	0.000	0.000	1010.000	0.000
Piastra	11.50	8.50	-23350.000	0.000	0.000	-835.000	0.000
Piastra	11.50	14.50	23350.000	0.000	0.000	835.000	0.000

Peso proprio

Oggetto	Pt [kN]
Piastra	25754.4306

Normativa - Coefficienti di sicurezza

Coefficienti parziali per le azioni o per l'effetto delle azioni

CARICHI	EFFETTO	Coefficiente parziale	(A1) - STR
Permanenti	Favorevole	$\gamma_{G1,fav}$	1.00
Permanenti	Sfavorevole	$\gamma_{G1,sfav}$	1.30
Permanenti non strutturali	Favorevole	$\gamma_{G2,fav}$	0.80
Permanenti non strutturali	Sfavorevole	$\gamma_{G2,sfav}$	1.50
Variabili	Favorevole	$\gamma_{Qi,fav}$	0.00
Variabili	Sfavorevole	$\gamma_{Qi,sfav}$	1.50
Variabili traffico	Favorevole	$\gamma_{Q,fav}$	0.00
Variabili traffico	Sfavorevole	$\gamma_{Q,sfav}$	1.35

Coefficienti parziali per i parametri geotecnici del terreno

PARAMETRO	GRANDEZZA	Coefficiente parziale	(M1)
Tangente dell'angolo di resistenza al taglio	$\tan \phi'_k$	$\gamma_{\phi'}$	1.00
Coazione efficace	c'_k	γ_c	1.00
Resistenza non drenata	c_{uk}	γ_{cu}	1.00



Coefficienti parziali γ_R per le verifiche agli stati limite ultimi di fondazioni superficiali

Verifica	(R3)
Capacità portante	2.30
Scorrimento	1.10
Ribaltamento	1.15

Coefficienti amplificativi γ_{Rd} in funzione della classe di duttilità

γ_{Rd}	Fondazione	Bicchieri
γ_{Rd}	1.10	1.20

Elenco combinazioni di calcolo

Numero combinazioni definite 4

Simbologia adottata

CP Coefficiente di partecipazione della condizione

Combinazione n° 1 - - STR - A1-M1-R3

Condizione	CP
Peso proprio	1.30
Condizione 1	1.00

Combinazione n° 2 - - STR - A1-M1-R3

Condizione	CP
Peso proprio	1.30
Condizione 2	1.00

Combinazione n° 3 - - STR - A1-M1-R3

Condizione	CP
Peso proprio	1.30
Condizione 3	1.00

Combinazione n° 4 - - STR - A1-M1-R3

Condizione	CP
Peso proprio	1.30

Impostazioni di analisi

Portanza fondazione superficiale

Metodo calcolo portanza Hansen
 Criterio di media calcolo strato equivalente Ponderata
 Riduzione portanza per effetto eccentricità Meyerhof
 Riduzione per rottura locale o punzonamento del terreno Terzaghi

Verifica a scorrimento

Partecipazione spinta passiva 0.00 [%]

Analisi interazione fondazione-terreno

Modello	Winkler
Terreno resistente a trazione	NO
Costante di Winkler orizzontale superficiale	Imposta da Utente
Rigidezza terreno fondazione	Costante per tutte le combinazioni
Raggio di influenza	Usa tutta la fondazione
Tolleranza nella soluzione	0.0100

Opzioni calcolo cedimenti

Metodo calcolo tensioni	Boussinesq
Metodo calcolo cedimenti	Edometrico (con modulo edometrico)
Profondità calcolo cedimenti	Automatica
ΔH suddivisione massima strati	1.00 [m]

Piastra infinitamente rigida	
Fattore di rigidezza della sovrastruttura	0.00
Considera peso terreno gravante sulla piastra	NO
Considera partecipazione sisma sul terreno ricoprimento	NO

Modello

Caratteristiche Mesh

Numero elementi	792
Numero nodi	429

Risultati inviluppo

Spostamenti

Piastra

Spostamenti massimi e minimi della piastra

Simbologia adottata

Ic	Indice della combinazione
w	Spostamento verticale, espresso in [cm]
u	Spostamento direzione X, espresso in [cm]
v	Spostamento direzione Y, espresso in [cm]
ϕ_x	Rotazione intorno all'asse X, espressa in [°]
ϕ_y	Rotazione intorno all'asse Y, espressa in [°]
p	Pressione sul terreno (solo per calcolo fondazione), espressa in [kg/cmq]
kw	Costante di Winkler (solo per calcolo fondazione), espressa in [kg/cm ² /cm]. Il valore viene stampato solo se si è utilizzato il modello di interazione

Tra parentesi l'indice del nodo in cui si sono misurati i valori massimi e minimi

In	X [m]	Y [m]		Valore	UM	Cmb	
304	11.50	25.50	w	6.685710	[cm]	1	MAX
179	11.50	-2.50		-2.655846		1	MIN
304	11.50	25.50	ux	0.204397	[cm]	3	MAX
167	12.87	-2.43		-0.015213		1	MIN
419	-2.50	11.50	uy	0.240439	[cm]	1	MAX
28	25.50	11.50		-0.084674		3	MIN
263	10.21	11.62	ϕ_x	0.002350	[°]	2	MAX
115	16.46	16.13		-0.000122		1	MIN
141	15.62	17.24	ϕ_y	0.000107	[°]	2	MAX
210	11.57	10.30		-0.003586		1	MIN
304	11.50	25.50	p	1.999722	[kg/cmq]	1	MAX
327	1.36	5.22		0.012217		2	MIN

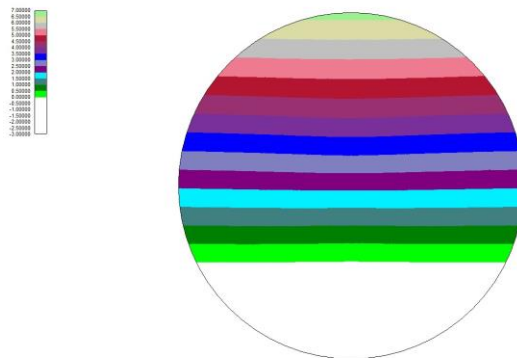


Fig. 3 - Spostamenti verticali (Combinazione n° 1)

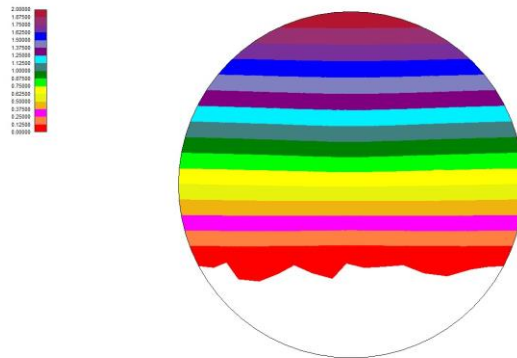


Fig. 4 - Pressioni sul terreno (Combinazione n° 1)

Sollecitazioni

Piastra

Sollecitazioni massime e minime piastra

Simbologia adottata

In	Indice nodo modello
Mx	Momento X espresso in [kNm]
My	Momento Y espresso in [kNm]
Mxy	Momento XY espresso in [kNm]
Tx	Taglio X, espresso in [kN]
Ty	Taglio Y, espresso in [kN]
Nx	Tensione normale X espressa in [kg/cmq]
Ny	Tensione normale Y espressa in [kg/cmq]
Nxy	Tensione tangenziale XY espressa in [kg/cmq]

In	X [m]	Y [m]		Valore	UM	Cmb	
271	11.50	14.50	Mx	15367.6741	[kNm]	1	MAX
197	11.50	8.50		-10808.6587		1	MIN
271	11.50	14.50	My	17587.3416	[kNm]	1	MAX
197	11.50	8.50		-13389.0609		1	MIN
273	9.38	11.01	Mxy	2494.4362	[kNm]	1	MAX
148	14.01	10.29		-2469.5380		1	MIN
203	12.72	11.90	Nx	0.60	[kg/cmq]	2	MAX
263	10.21	11.62		-0.77		2	MIN
237	11.87	12.78	Ny	0.87	[kg/cmq]	1	MAX
210	11.57	10.30		-1.08		1	MIN
203	12.72	11.90	Nxy	0.40	[kg/cmq]	1	MAX
263	10.21	11.62		-0.47		1	MIN

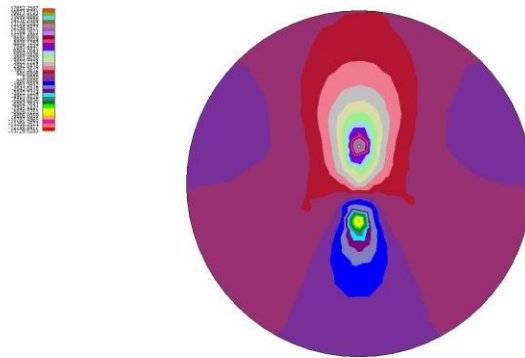


Fig. 5 - Momento flettente massimo piastra/plinti M_x (Combinazione n° 1)

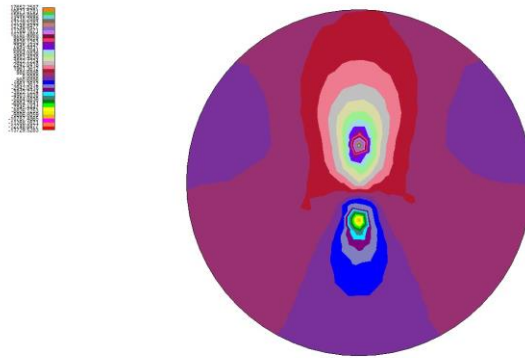


Fig. 6 - Momento flettente minimo piastra/plinti M_x (Combinazione n° 1)

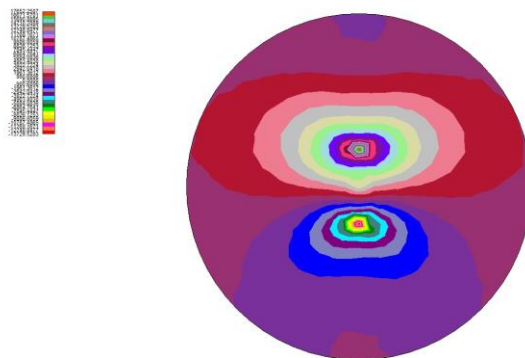


Fig. 7 - Momento flettente massimo piastra/plinti M_y (Combinazione n° 1)

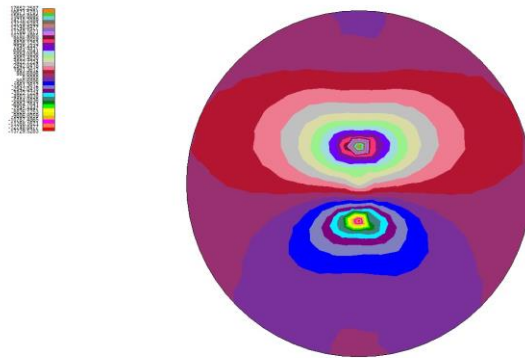


Fig. 8 - Momento flettente minimo piastra/plinti M_y (Combinazione n° 1)

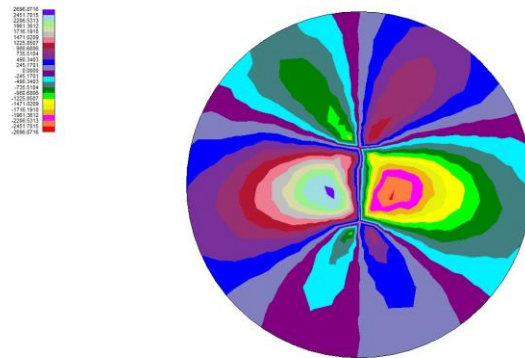


Fig. 9 - Momento torcente massimo piastra/plinti M_{xy} (Combinazione n° 1)

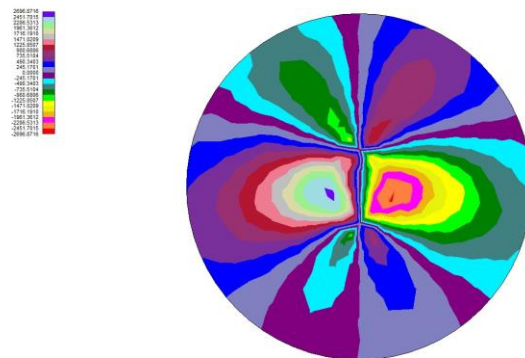


Fig. 10 - Momento torcente minimo piastra/plinti M_{xy} (Combinazione n° 1)

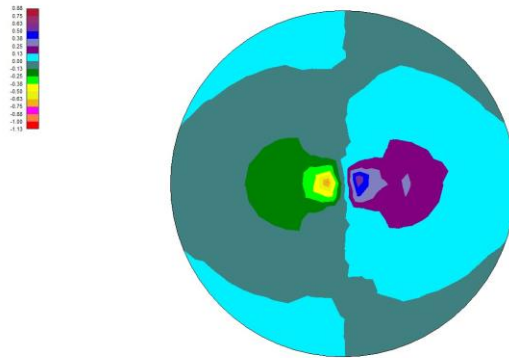


Fig. 11 - Sforzo membranale massimo piastra/plinti N_x (Combinazione n° 2)

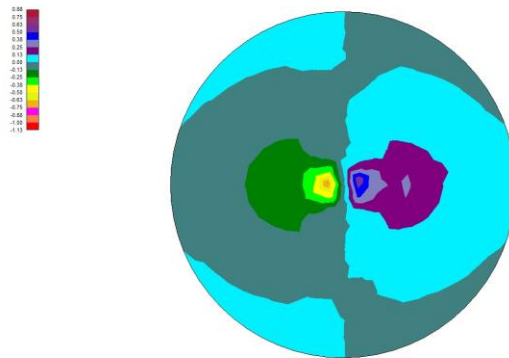


Fig. 12 - Sforzo membranale minimo piastra/plinti N_x (Combinazione n° 2)

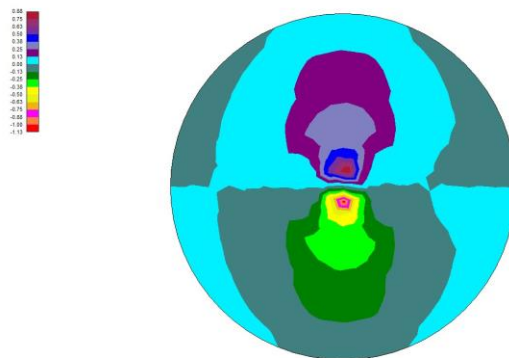


Fig. 13 - Sforzo membranale massimo piastra/plinti N_y (Combinazione n° 1)

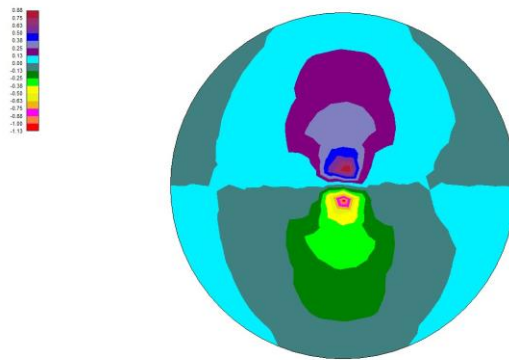


Fig. 14 - Sforzo membranale minimo piastra/plinti N_y (Combinazione n° 1)

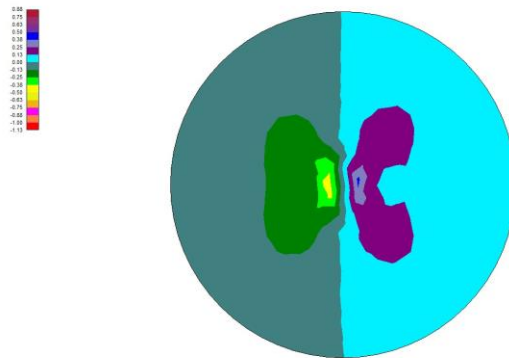


Fig. 15 - Sforzo membranale massimo piastra/plinti N_{xy} (Combinazione n° 1)

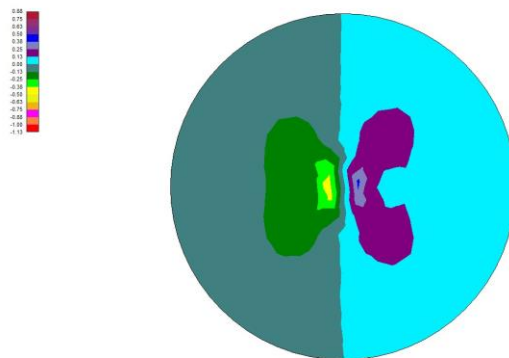


Fig. 16 - Sforzo membranale minimo piastra/plinti N_{xy} (Combinazione n° 1)

Verifiche strutturali

Verifica a flessione

Piastra

Simbologia adottata

Is	Identificativo tratto-sezione-direzione (P: direzione principale, S: direzione secondaria)
A _{fi}	Area di armatura lembo inferiore espressa in [cmq]
A _{fs}	Area di armatura lembo superiore espressa in [cmq]
M _u	Momento ultimo espresso in [kNm]
N _u	Sforzo normale ultimo espresso in [kN]
FS	Fattore di sicurezza

Is	A _{fi} [cmq]	A _{fs} [cmq]	M _u [kNm]	N _u [kN]	FS
1-1-P	8.04	8.04	358.69	5.17	15.607
1-2-P	8.04	8.04	358.83	4.72	7.390
1-3-P	8.04	8.04	359.30	4.32	4.681
1-4-P	8.04	8.04	359.76	3.96	3.344
1-5-P	16.08	16.08	717.08	7.30	5.277
1-6-P	16.08	16.08	717.26	6.72	4.458
1-7-P	16.08	16.08	717.43	6.13	3.833
1-8-P	24.13	24.13	1074.00	8.34	4.998
1-9-P	24.13	24.13	1074.05	7.54	4.395
1-10-P	24.13	24.13	1074.05	6.67	3.829
1-11-P	32.17	32.17	1429.82	7.76	4.577
1-12-P	32.17	32.17	1429.56	6.75	4.144
1-13-P	32.17	32.17	1429.36	5.84	3.777
1-14-P	32.17	32.17	1429.20	5.01	3.453
1-15-P	32.17	32.17	1429.07	4.22	3.168
1-16-P	32.17	32.17	1428.86	3.49	2.964
1-17-P	32.17	32.17	1428.59	2.81	2.842
1-18-P	32.17	32.17	1428.33	2.16	2.761
1-19-P	40.21	40.21	1783.18	1.91	3.360
1-20-P	40.21	40.21	1782.86	1.14	3.270
1-21-P	40.21	40.21	1782.56	0.41	3.177
1-22-P	40.21	40.21	1782.09	-0.29	3.155
1-23-P	40.21	40.21	1781.63	-0.94	3.136
1-24-P	32.17	32.17	1426.48	-1.25	2.497
1-25-P	32.17	32.17	1426.11	-1.74	2.488
1-26-P	32.17	32.17	1425.74	-2.23	2.490
1-27-P	32.17	32.17	1425.28	-2.74	2.531
1-28-P	32.17	32.17	1424.71	-3.23	2.612
1-29-P	32.17	32.17	1424.16	-3.71	2.696
1-30-P	32.17	32.17	1423.62	-4.15	2.783
1-31-P	32.17	32.17	1423.13	-4.54	2.867
1-32-P	24.13	24.13	1068.44	-3.64	2.213
1-33-P	24.13	24.13	1067.86	-3.84	2.354
1-34-P	24.13	24.13	1067.27	-4.03	2.542
1-35-P	16.08	16.08	712.57	-2.81	1.853
1-36-P	16.08	16.08	712.02	-2.93	2.046
1-37-P	16.08	16.08	711.47	-3.03	2.298
1-38-P	8.04	8.04	356.75	-1.58	1.387
1-39-P	8.04	8.04	356.05	-1.67	1.869
1-40-P	8.04	8.04	355.31	-1.76	2.834
1-41-P	8.04	8.04	354.85	-1.86	5.733
2-1-P	16.08	8.04	703.11	4.38	19.355
2-2-P	8.04	8.04	358.43	2.24	5.128
2-3-P	16.08	16.08	715.53	4.47	7.409
2-4-P	16.08	16.08	716.45	4.46	5.971
2-5-P	24.13	24.13	1073.45	6.66	7.530
2-6-P	32.17	32.17	1439.93	26.46	8.477
2-7-P	32.17	32.17	1439.67	24.28	7.015
2-8-P	40.21	40.21	1797.02	27.39	7.447
2-9-P	40.21	40.21	1795.63	24.69	6.982
2-10-P	40.21	40.21	1794.35	22.31	6.619
2-11-P	40.21	40.21	1793.22	20.22	6.289
2-12-P	40.21	40.21	1792.24	18.39	6.001
2-13-P	40.21	40.21	1791.47	16.96	5.785
2-14-P	40.21	40.21	1790.72	15.56	5.567
2-15-P	40.21	40.21	1789.97	14.16	5.343
2-16-P	40.21	40.21	1789.21	12.75	5.118
2-17-P	40.21	40.21	1788.41	11.27	4.860
2-18-P	40.21	40.21	1787.61	9.78	4.577
2-19-P	40.21	40.21	1786.88	8.43	4.314
2-20-P	40.21	40.21	1786.24	7.24	4.067
2-21-P	40.21	40.21	1785.68	6.20	3.834
2-22-P	40.21	40.21	1785.17	5.26	3.627
2-23-P	40.21	40.21	1784.70	4.38	3.450
2-24-P	40.21	40.21	1784.24	3.53	3.296

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
2-25-P	40.21	40.21	1783.81	2.73	3.161
2-26-P	40.21	40.21	1783.43	2.02	3.079
2-27-P	40.21	40.21	1783.08	1.38	3.012
2-28-P	40.21	40.21	1782.75	0.76	2.944
2-29-P	40.21	40.21	1782.44	0.18	2.874
2-30-P	40.21	40.21	1782.13	-0.37	2.806
2-31-P	40.21	40.21	1781.85	-0.88	2.740
2-32-P	40.21	40.21	1781.59	-1.36	2.705
2-33-P	40.21	40.21	1781.31	-1.85	2.676
2-34-P	40.21	40.21	1781.04	-2.35	2.648
2-35-P	40.21	40.21	1780.75	-2.86	2.621
2-36-P	40.21	40.21	1780.47	-3.37	2.595
2-37-P	40.21	40.21	1780.20	-3.85	2.565
2-38-P	40.21	40.21	1779.96	-4.29	2.525
2-39-P	40.21	40.21	1779.73	-4.69	2.484
2-40-P	40.21	40.21	1779.53	-5.06	2.442
2-41-P	40.21	40.21	1779.35	-5.39	2.399
2-42-P	40.21	40.21	1779.18	-5.70	2.362
2-43-P	40.21	40.21	1778.98	-6.05	2.334
2-44-P	40.21	40.21	1778.79	-6.39	2.306
2-45-P	40.21	40.21	1778.61	-6.71	2.277
2-46-P	40.21	40.21	1778.43	-7.04	2.258
2-47-P	40.21	40.21	1778.19	-7.48	2.289
2-48-P	40.21	40.21	1777.95	-7.91	2.327
2-49-P	40.21	40.21	1777.72	-8.32	2.367
2-50-P	40.21	40.21	1777.43	-8.72	2.427
2-51-P	32.17	32.17	1422.59	-7.22	2.177
2-52-P	32.17	32.17	1421.54	-7.47	2.521
2-53-P	24.13	24.13	1066.65	-5.79	2.242
2-54-P	16.08	16.08	711.84	-3.99	1.831
2-55-P	16.08	16.08	710.83	-4.13	2.355
2-56-P	8.04	8.04	356.03	-2.16	1.710
2-57-P	16.08	8.04	698.91	-4.37	6.776
3-1-P	8.04	8.04	357.57	2.29	6.533
3-2-P	8.04	8.04	358.96	2.29	3.273
3-3-P	16.08	16.08	716.55	4.53	4.348
3-4-P	24.13	24.13	1073.97	6.80	5.105
3-5-P	32.17	32.17	1431.29	9.15	5.855
3-6-P	40.21	40.21	1788.54	11.52	6.545
3-7-P	40.21	40.21	1788.62	11.66	6.715
3-8-P	40.21	40.21	1788.68	11.78	6.888
3-9-P	40.21	40.21	1788.70	11.82	7.064
3-10-P	40.21	40.21	1788.73	11.87	7.257
3-11-P	40.21	40.21	1788.76	11.92	7.466
3-12-P	40.21	40.21	1788.79	11.98	7.677
3-13-P	40.21	40.21	1788.83	12.04	7.915
3-14-P	40.21	40.21	1794.86	23.26	7.631
3-15-P	40.21	40.21	1793.43	20.60	7.229
3-16-P	40.21	40.21	1792.14	18.20	6.830
3-17-P	40.21	40.21	1790.98	16.04	6.432
3-18-P	40.21	40.21	1789.98	14.19	6.061
3-19-P	40.21	40.21	1789.11	12.57	5.729
3-20-P	40.21	40.21	1788.32	11.11	5.424
3-21-P	40.21	40.21	1787.61	9.78	5.143
3-22-P	40.21	40.21	1786.95	8.57	4.886
3-23-P	40.21	40.21	1786.37	7.48	4.632
3-24-P	40.21	40.21	-1821.94	74.13	4.272
3-25-P	40.21	40.21	-1819.40	69.36	3.947
3-26-P	40.21	40.21	-1817.72	66.23	3.732
3-27-P	40.21	40.21	-1816.30	63.57	3.549
3-28-P	40.21	40.21	-1815.01	61.15	3.383
3-29-P	40.21	40.21	-1813.84	58.96	3.232
3-30-P	40.21	40.21	1783.45	2.06	3.089
3-31-P	40.21	40.21	1783.24	1.68	2.948
3-32-P	40.21	40.21	1783.05	1.31	2.826
3-33-P	40.21	40.21	1782.84	0.93	2.722
3-34-P	40.21	40.21	1782.62	0.52	2.632
3-35-P	40.21	40.21	1782.39	0.10	2.555
3-36-P	40.21	40.21	1782.16	-0.33	2.486
3-37-P	40.21	40.21	1781.95	-0.71	2.440
3-38-P	40.21	40.21	1781.75	-1.07	2.409
3-39-P	40.21	40.21	1781.57	-1.38	2.373
3-40-P	40.21	40.21	1781.42	-1.66	2.332
3-41-P	40.21	40.21	1781.29	-1.90	2.287
3-42-P	40.21	40.21	1781.18	-2.10	2.238
3-43-P	40.21	40.21	1781.07	-2.28	2.189
3-44-P	40.21	40.21	1780.91	-2.57	2.161
3-45-P	40.21	40.21	1780.75	-2.87	2.136
3-46-P	40.21	40.21	1780.59	-3.15	2.111
3-47-P	40.21	40.21	1780.43	-3.43	2.085
3-48-P	40.21	40.21	1780.29	-3.70	2.059
3-49-P	40.21	40.21	1780.16	-3.93	2.036
3-50-P	40.21	40.21	1780.00	-4.21	2.026
3-51-P	40.21	40.21	1779.80	-4.57	2.035
3-52-P	40.21	40.21	1779.60	-4.93	2.051
3-53-P	40.21	40.21	1779.40	-5.30	2.068
3-54-P	40.21	40.21	1779.19	-5.68	2.084
3-55-P	40.21	40.21	1778.99	-6.04	2.101
3-56-P	40.21	40.21	1778.78	-6.41	2.125

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
3-57-P	40.21	40.21	1778.56	-6.82	2.167
3-58-P	40.21	40.21	1778.29	-7.30	2.208
3-59-P	40.21	40.21	1777.99	-7.83	2.253
3-60-P	40.21	40.21	1777.67	-8.41	2.302
3-61-P	40.21	40.21	1777.35	-8.98	2.352
3-62-P	40.21	40.21	1777.02	-9.58	2.404
3-63-P	40.21	40.21	1776.75	-10.07	2.444
3-64-P	40.21	40.21	1776.53	-10.47	2.478
3-65-P	32.17	32.17	1421.60	-8.59	2.319
3-66-P	24.13	24.13	1066.66	-6.57	2.117
3-67-P	16.08	16.08	711.64	-4.45	1.853
3-68-P	8.04	8.04	356.47	-2.26	1.404
3-69-P	8.04	8.04	355.07	-2.29	2.822
4-1-P	16.08	16.08	714.36	4.70	10.056
4-2-P	16.08	16.08	715.84	4.68	5.028
4-3-P	24.13	24.13	1073.74	6.98	5.014
4-4-P	32.17	32.17	1431.52	9.25	5.071
4-5-P	40.21	40.21	1788.55	11.54	5.548
4-6-P	40.21	40.21	1788.54	11.51	5.451
4-7-P	40.21	40.21	1788.52	11.48	5.358
4-8-P	40.21	40.21	1788.54	11.52	5.307
4-9-P	40.21	40.21	1788.64	11.70	5.401
4-10-P	40.21	40.21	1788.75	11.90	5.540
4-11-P	40.21	40.21	1788.86	12.11	5.704
4-12-P	40.21	40.21	1788.98	12.33	5.885
4-13-P	40.21	40.21	1789.07	12.49	6.087
4-14-P	40.21	40.21	1789.16	12.66	6.300
4-15-P	40.21	40.21	1789.24	12.82	6.514
4-16-P	40.21	40.21	1789.33	12.99	6.733
4-17-P	40.21	40.21	1789.42	13.15	6.957
4-18-P	40.21	40.21	1789.55	13.38	7.295
4-19-P	40.21	40.21	1789.69	13.66	7.691
4-20-P	40.21	40.21	1788.49	11.43	7.414
4-21-P	40.21	40.21	1787.55	9.67	6.895
4-22-P	40.21	40.21	1786.70	8.11	6.448
4-23-P	40.21	40.21	1785.96	6.73	6.052
4-24-P	40.21	40.21	1785.33	5.55	5.724
4-25-P	40.21	40.21	1784.82	4.60	5.385
4-26-P	40.21	40.21	1784.43	3.88	5.020
4-27-P	40.21	40.21	-1821.16	72.67	4.551
4-28-P	40.21	40.21	-1817.60	66.00	4.061
4-29-P	40.21	40.21	-1814.72	60.62	3.666
4-30-P	40.21	40.21	-1812.36	56.19	3.340
4-31-P	40.21	40.21	-1810.44	52.60	3.076
4-32-P	40.21	40.21	-1809.01	49.92	2.879
4-33-P	40.21	40.21	-1808.05	48.12	2.750
4-34-P	40.21	40.21	-1807.60	47.28	2.690
4-35-P	40.21	40.21	-1807.16	46.45	2.629
4-36-P	40.21	40.21	-1806.73	45.66	2.570
4-37-P	40.21	40.21	-1806.32	44.89	2.514
4-38-P	40.21	40.21	-1805.93	44.16	2.460
4-39-P	40.21	40.21	1782.29	-0.09	2.354
4-40-P	40.21	40.21	1782.23	-0.19	2.241
4-41-P	40.21	40.21	1782.18	-0.29	2.142
4-42-P	40.21	40.21	1782.12	-0.39	2.087
4-43-P	40.21	40.21	1782.06	-0.50	2.046
4-44-P	40.21	40.21	1782.00	-0.61	2.004
4-45-P	40.21	40.21	1781.95	-0.71	1.962
4-46-P	40.21	40.21	1781.89	-0.81	1.920
4-47-P	40.21	40.21	1781.83	-0.91	1.878
4-48-P	40.21	40.21	1781.79	-1.00	1.835
4-49-P	40.21	40.21	1781.71	-1.13	1.805
4-50-P	40.21	40.21	1781.62	-1.30	1.797
4-51-P	40.21	40.21	1781.54	-1.44	1.789
4-52-P	40.21	40.21	1781.49	-1.54	1.783
4-53-P	40.21	40.21	1781.43	-1.63	1.776
4-54-P	40.21	40.21	1781.38	-1.73	1.767
4-55-P	40.21	40.21	1781.32	-1.83	1.757
4-56-P	40.21	40.21	1781.22	-2.01	1.755
4-57-P	40.21	40.21	1781.08	-2.27	1.763
4-58-P	40.21	40.21	1780.92	-2.57	1.776
4-59-P	40.21	40.21	1780.75	-2.87	1.802
4-60-P	40.21	40.21	1780.56	-3.20	1.843
4-61-P	40.21	40.21	1780.37	-3.55	1.889
4-62-P	40.21	40.21	1780.17	-3.91	1.937
4-63-P	40.21	40.21	1779.95	-4.30	1.986
4-64-P	40.21	40.21	1779.71	-4.74	2.033
4-65-P	40.21	40.21	1779.43	-5.24	2.079
4-66-P	40.21	40.21	1779.11	-5.81	2.126
4-67-P	40.21	40.21	1778.77	-6.44	2.176
4-68-P	40.21	40.21	1778.40	-7.09	2.228
4-69-P	40.21	40.21	1778.07	-7.70	2.277
4-70-P	40.21	40.21	1777.76	-8.24	2.323
4-71-P	40.21	40.21	1777.48	-8.76	2.365
4-72-P	40.21	40.21	1777.21	-9.24	2.405
4-73-P	40.21	40.21	1776.98	-9.65	2.445
4-74-P	40.21	40.21	1776.78	-10.03	2.483
4-75-P	32.17	32.17	1421.98	-8.21	2.277
4-76-P	24.13	24.13	1066.47	-6.34	2.333

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
4-77-P	16.08	16.08	710.90	-4.36	2.439
4-78-P	8.04	8.04	355.41	-2.25	2.555
5-1-P	16.08	16.08	717.41	9.93	6.847
5-2-P	16.08	16.08	719.89	10.73	3.476
5-3-P	32.17	32.17	1438.45	23.00	4.685
5-4-P	40.21	40.21	1798.93	30.82	4.899
5-5-P	40.21	40.21	1799.76	32.36	4.916
5-6-P	40.21	40.21	1800.60	33.92	4.932
5-7-P	40.21	40.21	1801.44	35.48	4.946
5-8-P	40.21	40.21	1802.28	37.04	4.963
5-9-P	40.21	40.21	1788.42	11.29	4.937
5-10-P	40.21	40.21	1788.47	11.39	4.918
5-11-P	40.21	40.21	1788.56	11.56	4.943
5-12-P	40.21	40.21	1788.66	11.74	4.973
5-13-P	40.21	40.21	1788.75	11.90	4.998
5-14-P	40.21	40.21	1788.83	12.06	5.022
5-15-P	40.21	40.21	1788.95	12.28	5.090
5-16-P	40.21	40.21	1789.12	12.60	5.233
5-17-P	40.21	40.21	1789.28	12.89	5.382
5-18-P	40.21	40.21	1789.43	13.16	5.538
5-19-P	40.21	40.21	1789.56	13.40	5.700
5-20-P	40.21	40.21	1789.66	13.60	5.871
5-21-P	40.21	40.21	1789.81	13.88	6.135
5-22-P	40.21	40.21	1790.02	14.25	6.469
5-23-P	40.21	40.21	1790.27	14.72	6.835
5-24-P	40.21	40.21	-1781.92	-0.76	6.938
5-25-P	40.21	40.21	-1781.95	-0.70	6.798
5-26-P	40.21	40.21	-1782.11	-0.42	6.626
5-27-P	40.21	40.21	1782.35	0.01	6.431
5-28-P	40.21	40.21	1782.58	0.45	5.682
5-29-P	40.21	40.21	-1821.25	72.84	4.870
5-30-P	40.21	40.21	-1816.35	63.66	4.150
5-31-P	40.21	40.21	-1813.05	57.48	3.663
5-32-P	40.21	40.21	-1810.72	53.13	3.318
5-33-P	40.21	40.21	-1808.84	49.60	3.039
5-34-P	40.21	40.21	-1807.14	46.43	2.795
5-35-P	40.21	40.21	-1805.60	43.54	2.581
5-36-P	40.21	40.21	-1804.26	41.03	2.396
5-37-P	40.21	40.21	-2061.46	50.26	2.553
5-38-P	40.21	40.21	-2060.10	48.02	2.407
5-39-P	40.21	48.25	-2463.99	55.64	2.759
5-40-P	40.21	48.25	2034.36	-0.03	2.646
5-41-P	40.21	48.25	2034.30	-0.12	2.525
5-42-P	40.21	48.25	2034.26	-0.18	2.402
5-43-P	40.21	40.21	-2058.60	45.55	2.252
5-44-P	40.21	48.25	2034.21	-0.26	2.175
5-45-P	40.21	48.25	2034.19	-0.29	2.071
5-46-P	40.21	48.25	2034.16	-0.33	1.982
5-47-P	40.21	48.25	2034.13	-0.39	1.927
5-48-P	40.21	40.21	2030.70	-0.42	1.888
5-49-P	40.21	40.21	2030.69	-0.44	1.851
5-50-P	40.21	40.21	1782.14	-0.36	1.589
5-51-P	40.21	40.21	1782.15	-0.35	1.551
5-52-P	40.21	40.21	1782.15	-0.34	1.514
5-53-P	40.21	40.21	1782.16	-0.33	1.482
5-54-P	40.21	40.21	1782.14	-0.35	1.477
5-55-P	40.21	40.21	1782.13	-0.38	1.479
5-56-P	40.21	40.21	1782.12	-0.40	1.480
5-57-P	40.21	40.21	1782.12	-0.40	1.482
5-58-P	40.21	40.21	1782.13	-0.38	1.483
5-59-P	40.21	40.21	1782.15	-0.34	1.483
5-60-P	40.21	40.21	1782.18	-0.29	1.484
5-61-P	40.21	40.21	1782.21	-0.24	1.503
5-62-P	40.21	40.21	1782.22	-0.21	1.542
5-63-P	40.21	40.21	1782.21	-0.24	1.580
5-64-P	40.21	40.21	1782.16	-0.33	1.617
5-65-P	40.21	40.21	1782.08	-0.48	1.652
5-66-P	40.21	40.21	1781.96	-0.68	1.685
5-67-P	40.21	40.21	1781.84	-0.90	1.719
5-68-P	40.21	40.21	1781.69	-1.16	1.759
5-69-P	40.21	40.21	1781.44	-1.61	1.822
5-70-P	40.21	40.21	1781.18	-2.09	1.886
5-71-P	40.21	40.21	1780.90	-2.59	1.948
5-72-P	40.21	40.21	1780.62	-3.11	2.007
5-73-P	40.21	40.21	1780.32	-3.63	2.064
5-74-P	40.21	40.21	1780.00	-4.22	2.117
5-75-P	40.21	40.21	1779.62	-4.91	2.171
5-76-P	40.21	40.21	1779.22	-5.63	2.231
5-77-P	40.21	40.21	1778.79	-6.40	2.301
5-78-P	40.21	40.21	1778.37	-7.14	2.380
5-79-P	40.21	40.21	1778.03	-7.77	2.488
5-80-P	40.21	40.21	1777.77	-8.24	2.614
5-81-P	40.21	40.21	1777.49	-8.74	2.753
5-82-P	40.21	40.21	1777.16	-9.34	2.901
5-83-P	32.17	32.17	1421.75	-7.78	2.941
5-84-P	16.08	16.08	711.90	-3.99	2.300
5-85-P	8.04	8.04	355.93	-2.04	2.396
6-1-P	24.13	24.13	1072.93	9.62	7.451
6-2-P	24.13	24.13	1075.65	10.53	3.775

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
6-3-P	40.21	40.21	1792.46	19.00	4.328
6-4-P	40.21	40.21	1792.88	19.57	4.202
6-5-P	40.21	40.21	1793.16	20.10	4.131
6-6-P	40.21	40.21	1793.42	20.57	4.067
6-7-P	40.21	40.21	1793.67	21.05	4.026
6-8-P	40.21	40.21	1794.12	21.88	4.028
6-9-P	40.21	40.21	1794.71	22.97	4.054
6-10-P	40.21	40.21	1795.31	24.08	4.083
6-11-P	40.21	40.21	1795.99	25.34	4.116
6-12-P	40.21	40.21	1796.77	26.79	4.156
6-13-P	40.21	40.21	1797.59	28.32	4.205
6-14-P	40.21	40.21	1798.61	30.21	4.294
6-15-P	40.21	40.21	1788.12	10.74	4.402
6-16-P	40.21	40.21	1788.18	10.85	4.409
6-17-P	40.21	40.21	1788.27	11.01	4.442
6-18-P	40.21	40.21	1788.45	11.35	4.547
6-19-P	40.21	40.21	1788.67	11.76	4.645
6-20-P	40.21	40.21	1788.92	12.23	4.733
6-21-P	40.21	40.21	1789.20	12.74	4.807
6-22-P	40.21	40.21	1789.50	13.29	4.868
6-23-P	40.21	40.21	1789.82	13.90	4.927
6-24-P	40.21	40.21	-1778.41	-7.11	5.053
6-25-P	40.21	40.21	-1778.79	-6.42	4.983
6-26-P	40.21	40.21	-1779.15	-5.78	4.907
6-27-P	40.21	40.21	-1779.47	-5.19	4.827
6-28-P	40.21	40.21	-2027.03	-6.25	5.403
6-29-P	40.21	48.25	-2426.25	-6.69	6.443
6-30-P	40.21	48.25	-2722.53	-7.99	7.501
6-31-P	40.21	56.30	2286.36	0.00	7.396
6-32-P	40.21	56.30	2530.03	-7.18	7.868
6-33-P	40.21	56.30	2531.36	-5.51	7.086
6-34-P	40.21	56.30	2780.89	-4.80	7.057
6-35-P	40.21	56.30	2782.16	-3.33	6.372
6-36-P	40.21	56.30	-4360.02	164.01	6.133
6-37-P	40.21	48.25	-3735.23	127.48	4.664
6-38-P	40.21	56.30	-4336.76	137.78	4.948
6-39-P	40.21	48.25	-3721.66	112.26	3.968
6-40-P	40.21	48.25	-3716.90	106.91	3.721
6-41-P	40.21	48.25	-3712.78	102.29	3.509
6-42-P	40.21	40.21	-3099.79	82.68	2.811
6-43-P	40.21	40.21	-3097.79	80.44	2.719
6-44-P	40.21	40.21	-3096.15	78.61	2.645
6-45-P	40.21	40.21	-3095.23	77.58	2.605
6-46-P	40.21	40.21	-3094.90	77.22	2.594
6-47-P	40.21	40.21	-3094.91	77.23	2.600
6-48-P	40.21	40.21	-3095.50	77.89	2.634
6-49-P	40.21	40.21	3025.15	-0.61	2.576
6-50-P	40.21	40.21	3025.15	-0.61	2.459
6-51-P	40.21	48.25	3029.95	-0.60	2.360
6-52-P	40.21	48.25	3029.99	-0.55	2.289
6-53-P	40.21	48.25	3030.06	-0.48	2.244
6-54-P	40.21	56.30	3034.00	-0.40	2.204
6-55-P	40.21	48.25	3030.24	-0.29	2.155
6-56-P	40.21	56.30	3034.24	-0.16	2.106
6-57-P	40.21	56.30	2785.06	0.02	1.885
6-58-P	40.21	56.30	2785.31	0.31	1.878
6-59-P	40.21	56.30	2536.15	0.57	1.723
6-60-P	40.21	56.30	2536.38	0.87	1.734
6-61-P	40.21	56.30	2287.01	0.93	1.571
6-62-P	40.21	48.25	2284.18	1.14	1.575
6-63-P	40.21	48.25	2035.02	1.05	1.407
6-64-P	40.21	40.21	2031.72	1.24	1.423
6-65-P	40.21	40.21	1782.90	1.05	1.280
6-66-P	40.21	40.21	1782.99	1.20	1.311
6-67-P	40.21	40.21	1783.07	1.36	1.344
6-68-P	40.21	40.21	1783.16	1.53	1.379
6-69-P	40.21	40.21	1783.26	1.71	1.415
6-70-P	40.21	40.21	1783.33	1.84	1.450
6-71-P	40.21	40.21	1783.33	1.85	1.511
6-72-P	40.21	40.21	1783.30	1.77	1.578
6-73-P	40.21	40.21	1783.22	1.63	1.644
6-74-P	40.21	40.21	1783.10	1.41	1.711
6-75-P	40.21	40.21	1782.95	1.14	1.779
6-76-P	40.21	40.21	1782.80	0.85	1.851
6-77-P	40.21	40.21	1782.60	0.49	1.927
6-78-P	40.21	40.21	1782.28	-0.10	2.011
6-79-P	40.21	40.21	1781.92	-0.75	2.101
6-80-P	40.21	40.21	1781.54	-1.44	2.196
6-81-P	40.21	40.21	1781.13	-2.19	2.298
6-82-P	40.21	40.21	1780.67	-3.01	2.416
6-83-P	40.21	40.21	1780.20	-3.85	2.555
6-84-P	40.21	40.21	1779.77	-4.63	2.701
6-85-P	40.21	40.21	1779.30	-5.48	2.831
6-86-P	40.21	40.21	1778.85	-6.29	2.972
6-87-P	40.21	40.21	1778.43	-7.05	3.126
6-88-P	40.21	40.21	1777.96	-7.88	3.296
6-89-P	40.21	40.21	1777.37	-8.76	3.524
6-90-P	24.13	24.13	1066.92	-5.51	3.252
6-91-P	8.04	8.04	356.45	-1.93	2.281

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
7-1-P	32.17	32.17	1428.09	8.38	7.617
7-2-P	32.17	32.17	1430.91	9.04	3.737
7-3-P	40.21	40.21	1788.77	11.95	3.774
7-4-P	40.21	40.21	1789.02	12.40	3.731
7-5-P	40.21	40.21	1789.25	12.83	3.687
7-6-P	40.21	40.21	1789.45	13.20	3.651
7-7-P	40.21	40.21	1789.64	13.57	3.624
7-8-P	40.21	40.21	1789.83	13.91	3.595
7-9-P	40.21	40.21	1790.01	14.24	3.568
7-10-P	40.21	40.21	1790.18	14.57	3.541
7-11-P	40.21	40.21	1790.36	14.89	3.507
7-12-P	40.21	40.21	1790.62	15.38	3.478
7-13-P	40.21	40.21	1791.18	16.42	3.494
7-14-P	40.21	40.21	1791.81	17.59	3.523
7-15-P	40.21	40.21	1792.45	18.79	3.554
7-16-P	40.21	40.21	1793.11	20.01	3.586
7-17-P	40.21	40.21	1793.77	21.23	3.615
7-18-P	40.21	40.21	1794.35	22.30	3.613
7-19-P	40.21	40.21	1795.01	23.53	3.624
7-20-P	40.21	40.21	1796.57	26.43	3.828
7-21-P	40.21	40.21	1788.36	11.18	3.892
7-22-P	40.21	40.21	1788.73	11.87	3.912
7-23-P	40.21	40.21	1789.08	12.52	3.932
7-24-P	40.21	40.21	-1776.25	-11.03	3.845
7-25-P	40.21	48.25	2045.48	18.04	4.535
7-26-P	40.21	48.25	2300.10	24.25	5.334
7-27-P	40.21	56.30	2560.07	31.80	6.227
7-28-P	40.21	64.34	2564.69	34.25	6.547
7-29-P	40.21	72.38	2827.78	44.29	7.577
7-30-P	40.21	72.38	3091.95	56.32	8.697
7-31-P	40.21	64.34	-4779.01	-28.01	9.357
7-32-P	40.21	56.30	-4193.58	-22.79	8.447
7-33-P	40.21	48.25	-3604.93	-18.01	7.444
7-34-P	40.21	40.21	-3012.90	-13.78	6.364
7-35-P	40.21	40.21	-3014.00	-12.59	6.501
7-36-P	40.21	40.21	-3164.48	154.89	6.502
7-37-P	40.21	40.21	-3142.03	129.82	5.287
7-38-P	40.21	40.21	-3125.08	110.91	4.387
7-39-P	40.21	40.21	-3112.97	97.39	3.744
7-40-P	40.21	40.21	-3103.92	87.29	3.264
7-41-P	40.21	40.21	-3096.93	79.48	2.894
7-42-P	40.21	40.21	-3091.57	73.50	2.612
7-43-P	40.21	40.21	-3087.06	68.46	2.397
7-44-P	40.21	40.21	-3084.20	65.27	2.265
7-45-P	40.21	40.21	-3082.53	63.41	2.187
7-46-P	40.21	40.21	-3081.08	61.79	2.119
7-47-P	40.21	40.21	-3079.64	60.19	2.052
7-48-P	40.21	40.21	-3078.30	58.69	1.989
7-49-P	40.21	40.21	-3078.09	58.46	1.984
7-50-P	40.21	40.21	-3079.30	59.81	2.053
7-51-P	40.21	40.21	-3080.67	61.34	2.131
7-52-P	40.21	40.21	3025.74	0.02	2.164
7-53-P	40.21	40.21	3025.72	0.00	2.079
7-54-P	40.21	40.21	3025.72	0.00	1.997
7-55-P	40.21	40.21	3025.90	0.19	1.922
7-56-P	40.21	40.21	3026.21	0.54	1.857
7-57-P	40.21	40.21	3026.40	0.75	1.804
7-58-P	40.21	40.21	3026.46	0.82	1.760
7-59-P	40.21	40.21	3026.51	0.87	1.719
7-60-P	40.21	40.21	3026.59	0.97	1.681
7-61-P	40.21	40.21	3026.84	1.24	1.663
7-62-P	40.21	40.21	3027.27	1.71	1.666
7-63-P	40.21	40.21	3027.84	2.34	1.675
7-64-P	40.21	48.25	3033.31	3.08	1.690
7-65-P	40.21	56.30	3037.91	3.87	1.705
7-66-P	40.21	64.34	3041.75	4.60	1.731
7-67-P	40.21	72.38	3044.93	5.23	1.785
7-68-P	40.21	72.38	2794.57	5.06	1.688
7-69-P	40.21	64.34	2541.96	4.72	1.581
7-70-P	40.21	56.30	2539.69	5.19	1.624
7-71-P	40.21	48.25	2286.58	4.62	1.502
7-72-P	40.21	48.25	2036.82	3.97	1.373
7-73-P	40.21	40.21	1784.07	3.21	1.253
7-74-P	40.21	40.21	1784.18	3.41	1.314
7-75-P	40.21	40.21	1784.30	3.64	1.380
7-76-P	40.21	40.21	1784.43	3.89	1.454
7-77-P	40.21	40.21	1784.59	4.17	1.535
7-78-P	40.21	40.21	1784.71	4.40	1.619
7-79-P	40.21	40.21	1784.80	4.57	1.704
7-80-P	40.21	40.21	1784.85	4.66	1.803
7-81-P	40.21	40.21	1784.70	4.38	1.905
7-82-P	40.21	40.21	1784.48	3.97	2.013
7-83-P	40.21	40.21	1784.24	3.53	2.141
7-84-P	40.21	40.21	1783.97	3.02	2.288
7-85-P	40.21	40.21	1783.66	2.45	2.452
7-86-P	40.21	40.21	1783.31	1.80	2.637
7-87-P	40.21	40.21	1782.86	0.97	2.827
7-88-P	40.21	40.21	1782.26	-0.14	2.987
7-89-P	40.21	40.21	1781.54	-1.45	3.162

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
7-90-P	40.21	40.21	1780.69	-2.96	3.358
7-91-P	40.21	40.21	1779.80	-4.57	3.567
7-92-P	40.21	40.21	1788.76	11.92	3.727
7-93-P	40.21	40.21	1788.75	11.91	3.842
7-94-P	40.21	40.21	1788.74	11.89	3.964
7-95-P	32.17	32.17	1430.99	9.18	3.946
7-96-P	16.08	16.08	715.35	4.24	3.958
8-1-P	32.17	32.17	1426.87	5.40	6.277
8-2-P	32.17	32.17	1430.33	6.03	3.323
8-3-P	40.21	40.21	1786.50	7.72	3.759
8-4-P	40.21	40.21	1786.55	7.81	3.573
8-5-P	40.21	40.21	1786.59	7.89	3.404
8-6-P	40.21	40.21	1786.66	8.02	3.302
8-7-P	40.21	40.21	1786.74	8.18	3.264
8-8-P	40.21	40.21	1786.83	8.33	3.230
8-9-P	40.21	40.21	1786.93	8.52	3.206
8-10-P	40.21	40.21	1787.03	8.72	3.174
8-11-P	40.21	40.21	1787.21	9.05	3.140
8-12-P	40.21	40.21	1787.39	9.39	3.095
8-13-P	40.21	40.21	1787.58	9.73	3.047
8-14-P	40.21	40.21	1787.76	10.06	3.001
8-15-P	40.21	40.21	1787.94	10.40	2.959
8-16-P	40.21	40.21	1788.31	11.08	2.955
8-17-P	40.21	40.21	1788.80	11.99	2.963
8-18-P	40.21	40.21	1789.24	12.82	2.950
8-19-P	40.21	40.21	1789.65	13.57	2.918
8-20-P	40.21	40.21	1790.03	14.29	2.883
8-21-P	40.21	40.21	1790.41	14.99	2.849
8-22-P	40.21	40.21	1791.00	16.08	2.869
8-23-P	40.21	40.21	2045.09	23.10	3.420
8-24-P	40.21	56.30	2308.60	32.11	4.006
8-25-P	40.21	64.34	2571.55	43.17	4.601
8-26-P	40.21	72.38	2814.53	28.64	5.111
8-27-P	40.21	80.42	3075.97	36.53	5.485
8-28-P	40.21	72.38	3076.89	39.95	5.615
8-29-P	40.21	56.30	3074.58	44.04	5.875
8-30-P	40.21	48.25	-3593.41	-30.44	5.298
8-31-P	40.21	40.21	-3003.29	-24.09	4.395
8-32-P	40.21	40.21	-3004.16	-23.17	4.345
8-33-P	40.21	40.21	-3005.05	-22.20	4.368
8-34-P	40.21	40.21	-3005.59	-21.63	4.432
8-35-P	40.21	40.21	-3005.84	-21.36	4.481
8-36-P	40.21	40.21	-3005.99	-21.19	4.516
8-37-P	40.21	40.21	-3006.08	-21.10	4.521
8-38-P	40.21	40.21	-3006.31	-20.85	4.670
8-39-P	40.21	40.21	-3006.90	-20.22	4.996
8-40-P	40.21	40.21	-3115.89	100.65	4.266
8-41-P	40.21	40.21	-3102.68	85.90	3.507
8-42-P	40.21	40.21	-3094.24	76.49	3.022
8-43-P	40.21	40.21	-3088.37	69.93	2.686
8-44-P	40.21	40.21	-3082.71	63.61	2.393
8-45-P	40.21	40.21	-3077.53	57.83	2.140
8-46-P	40.21	40.21	-3073.25	53.05	1.931
8-47-P	40.21	40.21	-3069.73	49.12	1.758
8-48-P	40.21	40.21	-3067.00	46.07	1.625
8-49-P	40.21	40.21	-3065.03	43.88	1.528
8-50-P	40.21	40.21	-3063.89	42.61	1.479
8-51-P	40.21	40.21	-3064.39	43.16	1.513
8-52-P	40.21	40.21	-3064.91	43.74	1.550
8-53-P	40.21	40.21	-3065.29	44.16	1.582
8-54-P	40.21	40.21	-3065.68	44.60	1.614
8-55-P	40.21	40.21	-3066.68	45.72	1.688
8-56-P	40.21	40.21	3027.50	1.97	1.720
8-57-P	40.21	40.21	3027.93	2.45	1.650
8-58-P	40.21	40.21	3028.22	2.76	1.598
8-59-P	40.21	40.21	3028.47	3.05	1.546
8-60-P	40.21	40.21	3028.79	3.40	1.495
8-61-P	40.21	40.21	3029.18	3.83	1.450
8-62-P	40.21	40.21	3029.53	4.21	1.425
8-63-P	40.21	40.21	3029.79	4.51	1.420
8-64-P	40.21	40.21	3030.05	4.80	1.414
8-65-P	40.21	40.21	3030.31	5.08	1.409
8-66-P	40.21	40.21	3030.57	5.37	1.404
8-67-P	40.21	40.21	3030.92	5.76	1.403
8-68-P	40.21	40.21	3031.45	6.34	1.413
8-69-P	40.21	40.21	3031.81	6.75	1.457
8-70-P	40.21	40.21	3032.29	7.28	1.501
8-71-P	40.21	40.21	3032.90	7.95	1.544
8-72-P	40.21	48.25	3038.43	8.72	1.591
8-73-P	40.21	56.30	3043.12	9.57	1.642
8-74-P	40.21	72.38	3049.76	10.48	1.696
8-75-P	40.21	80.42	3052.91	11.56	1.771
8-76-P	40.21	72.38	2799.56	10.96	1.715
8-77-P	40.21	64.34	2546.09	10.08	1.646
8-78-P	40.21	56.30	2292.57	8.96	1.562
8-79-P	40.21	40.21	2035.62	7.62	1.459
8-80-P	40.21	40.21	1785.65	6.15	1.345
8-81-P	40.21	40.21	1785.89	6.59	1.423
8-82-P	40.21	40.21	1786.21	7.19	1.534

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
8-83-P	40.21	40.21	1786.61	7.93	1.674
8-84-P	40.21	40.21	1787.06	8.77	1.839
8-85-P	40.21	40.21	1787.37	9.35	2.006
8-86-P	40.21	40.21	1787.44	9.47	2.162
8-87-P	40.21	40.21	1787.36	9.32	2.316
8-88-P	40.21	40.21	1787.25	9.13	2.488
8-89-P	40.21	40.21	1787.06	8.77	2.681
8-90-P	40.21	40.21	1786.75	8.18	2.908
8-91-P	40.21	40.21	1785.35	5.58	3.111
8-92-P	40.21	40.21	1785.50	5.87	3.206
8-93-P	40.21	40.21	1785.67	6.18	3.298
8-94-P	40.21	40.21	1785.84	6.49	3.393
8-95-P	40.21	40.21	1786.02	6.83	3.494
8-96-P	40.21	40.21	1786.16	7.10	3.588
8-97-P	40.21	40.21	1786.25	7.26	3.678
8-98-P	40.21	40.21	1786.27	7.30	3.779
8-99-P	40.21	40.21	1786.27	7.30	3.887
8-100-P	32.17	32.17	1430.18	5.76	3.357
8-101-P	16.08	16.08	715.32	2.61	3.136
9-1-P	40.21	40.21	1781.77	3.77	7.021
9-2-P	40.21	40.21	1784.75	4.47	4.133
9-3-P	40.21	40.21	1784.82	4.60	3.936
9-4-P	40.21	40.21	1784.88	4.72	3.754
9-5-P	40.21	40.21	1784.94	4.83	3.586
9-6-P	40.21	40.21	1785.02	4.97	3.432
9-7-P	40.21	40.21	1785.09	5.10	3.306
9-8-P	40.21	40.21	1785.14	5.20	3.221
9-9-P	40.21	40.21	1785.20	5.31	3.144
9-10-P	40.21	40.21	1785.26	5.42	3.064
9-11-P	40.21	40.21	1785.32	5.53	2.985
9-12-P	40.21	40.21	1785.37	5.63	2.910
9-13-P	40.21	40.21	1785.53	5.93	2.857
9-14-P	40.21	40.21	1785.71	6.27	2.811
9-15-P	40.21	40.21	1785.89	6.59	2.766
9-16-P	40.21	40.21	1786.03	6.85	2.704
9-17-P	40.21	40.21	1786.12	7.02	2.623
9-18-P	40.21	40.21	1786.19	7.15	2.532
9-19-P	40.21	40.21	1786.45	7.63	2.484
9-20-P	40.21	40.21	1786.81	8.29	2.457
9-21-P	40.21	40.21	1787.16	8.94	2.431
9-22-P	40.21	48.25	2041.87	12.17	2.744
9-23-P	40.21	64.34	2553.31	19.47	3.373
9-24-P	40.21	72.38	3066.84	29.04	3.975
9-25-P	40.21	80.42	3070.49	30.59	3.961
9-26-P	40.21	72.38	3070.58	33.10	4.003
9-27-P	40.21	56.30	3067.03	35.77	4.051
9-28-P	40.21	48.25	3065.58	38.63	4.113
9-29-P	40.21	40.21	-2994.68	-33.35	3.405
9-30-P	40.21	40.21	-2995.23	-32.76	3.304
9-31-P	40.21	40.21	-2995.36	-32.62	3.232
9-32-P	40.21	40.21	-2995.30	-32.68	3.190
9-33-P	40.21	40.21	-2995.13	-32.86	3.171
9-34-P	40.21	40.21	-2995.52	-32.44	3.194
9-35-P	40.21	40.21	-2996.19	-31.72	3.199
9-36-P	40.21	40.21	-2996.97	-30.89	3.181
9-37-P	40.21	40.21	-2997.82	-29.98	3.141
9-38-P	40.21	40.21	-2998.46	-29.29	3.105
9-39-P	40.21	40.21	-2998.59	-29.15	3.271
9-40-P	40.21	40.21	-2998.62	-29.12	3.458
9-41-P	40.21	40.21	-2998.56	-29.18	3.643
9-42-P	40.21	40.21	-2998.47	-29.27	3.847
9-43-P	40.21	40.21	-3096.98	79.54	3.366
9-44-P	40.21	40.21	-3087.95	69.46	2.764
9-45-P	40.21	40.21	-3076.45	56.63	2.192
9-46-P	40.21	40.21	-3068.77	48.05	1.824
9-47-P	40.21	40.21	-3063.82	42.52	1.581
9-48-P	40.21	40.21	-3060.45	38.76	1.409
9-49-P	40.21	40.21	-3057.71	35.71	1.276
9-50-P	40.21	40.21	-3055.73	33.50	1.184
9-51-P	40.21	40.21	-3053.91	31.46	1.104
9-52-P	40.21	40.21	-3052.44	29.82	1.040
9-53-P	40.21	40.21	-3052.14	29.49	1.038
9-54-P	40.21	40.21	-3052.76	30.18	1.089
9-55-P	40.21	40.21	-3053.63	31.15	1.159
9-56-P	40.21	40.21	-3054.79	32.44	1.257
9-57-P	40.21	40.21	-3056.20	34.02	1.394
9-58-P	40.21	40.21	3029.90	4.63	1.417
9-59-P	40.21	40.21	3030.60	5.40	1.337
9-60-P	40.21	40.21	3031.24	6.12	1.274
9-61-P	40.21	40.21	3031.74	6.66	1.240
9-62-P	40.21	40.21	3032.19	7.16	1.211
9-63-P	40.21	40.21	3032.63	7.65	1.182
9-64-P	40.21	40.21	3033.08	8.15	1.155
9-65-P	40.21	40.21	3033.46	8.57	1.141
9-66-P	40.21	40.21	3033.80	8.95	1.146
9-67-P	40.21	40.21	3034.20	9.39	1.154
9-68-P	40.21	40.21	3034.69	9.93	1.165
9-69-P	40.21	40.21	3035.20	10.50	1.175
9-70-P	40.21	40.21	3035.71	11.06	1.187

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
9-71-P	40.21	40.21	3035.97	11.35	1.224
9-72-P	40.21	40.21	3036.20	11.61	1.269
9-73-P	40.21	40.21	3036.49	11.93	1.319
9-74-P	40.21	40.21	3036.92	12.40	1.372
9-75-P	40.21	40.21	3037.47	13.01	1.428
9-76-P	40.21	40.21	3038.02	13.63	1.495
9-77-P	40.21	48.25	3043.65	14.47	1.574
9-78-P	40.21	56.30	3048.69	15.68	1.658
9-79-P	40.21	72.38	3055.91	17.17	1.751
9-80-P	40.21	80.42	3059.60	18.80	1.853
9-81-P	40.21	72.38	3059.25	20.79	1.979
9-82-P	40.21	64.34	2551.15	16.66	1.800
9-83-P	40.21	48.25	2041.76	12.00	1.569
9-84-P	40.21	40.21	1787.73	10.02	1.488
9-85-P	40.21	40.21	1788.25	10.97	1.617
9-86-P	40.21	40.21	1788.85	12.10	1.770
9-87-P	40.21	40.21	1789.59	13.47	1.955
9-88-P	40.21	40.21	1790.39	14.95	2.178
9-89-P	40.21	40.21	1790.89	15.88	2.406
9-90-P	40.21	40.21	1790.97	16.03	2.630
9-91-P	40.21	40.21	1783.12	1.45	2.786
9-92-P	40.21	40.21	1783.18	1.56	2.869
9-93-P	40.21	40.21	1783.24	1.67	2.959
9-94-P	40.21	40.21	1783.31	1.79	3.056
9-95-P	40.21	40.21	1783.38	1.94	3.150
9-96-P	40.21	40.21	1783.50	2.16	3.246
9-97-P	40.21	40.21	1783.66	2.46	3.327
9-98-P	40.21	40.21	1783.84	2.78	3.410
9-99-P	40.21	40.21	1784.04	3.16	3.505
9-100-P	40.21	40.21	1784.24	3.53	3.609
9-101-P	40.21	40.21	1784.36	3.75	3.749
9-102-P	40.21	40.21	1784.44	3.90	3.918
9-103-P	40.21	40.21	1784.53	4.07	4.107
9-104-P	24.13	24.13	1070.68	2.17	4.191
10-1-P	40.21	40.21	1781.54	2.35	6.547
10-2-P	40.21	40.21	1783.73	2.58	4.421
10-3-P	40.21	40.21	1783.74	2.59	4.195
10-4-P	40.21	40.21	1783.79	2.69	3.994
10-5-P	40.21	40.21	1783.85	2.80	3.824
10-6-P	40.21	40.21	1783.90	2.90	3.694
10-7-P	40.21	40.21	1783.93	2.95	3.589
10-8-P	40.21	40.21	1783.95	2.99	3.491
10-9-P	40.21	40.21	1783.97	3.04	3.314
10-10-P	40.21	40.21	1784.00	3.08	3.154
10-11-P	40.21	40.21	1784.03	3.13	3.016
10-12-P	40.21	40.21	1784.06	3.20	2.896
10-13-P	40.21	40.21	1784.11	3.29	2.797
10-14-P	40.21	40.21	1784.17	3.40	2.713
10-15-P	40.21	40.21	1784.28	3.61	2.628
10-16-P	40.21	40.21	1784.42	3.86	2.545
10-17-P	40.21	40.21	1784.53	4.06	2.456
10-18-P	40.21	40.21	1784.63	4.25	2.373
10-19-P	40.21	40.21	1784.73	4.44	2.296
10-20-P	40.21	40.21	1784.82	4.61	2.224
10-21-P	40.21	48.25	2288.63	7.60	2.774
10-22-P	40.21	64.34	2798.10	12.05	3.322
10-23-P	40.21	80.42	3056.32	15.25	3.555
10-24-P	40.21	80.42	3056.83	15.81	3.483
10-25-P	40.21	72.38	3055.15	16.34	3.413
10-26-P	40.21	56.30	3049.74	16.83	3.342
10-27-P	40.21	40.21	3041.34	17.30	3.273
10-28-P	40.21	40.21	-2983.02	-45.87	3.118
10-29-P	40.21	40.21	-2984.33	-44.47	2.946
10-30-P	40.21	40.21	-2985.00	-43.75	2.834
10-31-P	40.21	40.21	-2985.61	-43.09	2.735
10-32-P	40.21	40.21	-2986.18	-42.47	2.639
10-33-P	40.21	40.21	-2986.83	-41.78	2.538
10-34-P	40.21	40.21	-2987.87	-40.66	2.395
10-35-P	40.21	40.21	-2988.83	-39.63	2.280
10-36-P	40.21	40.21	-2989.38	-39.04	2.257
10-37-P	40.21	40.21	-2989.98	-38.40	2.236
10-38-P	40.21	40.21	-2990.53	-37.80	2.205
10-39-P	40.21	40.21	-2991.04	-37.26	2.163
10-40-P	40.21	40.21	-2990.75	-37.57	2.263
10-41-P	40.21	40.21	-2990.51	-37.82	2.368
10-42-P	40.21	40.21	-2990.93	-37.37	2.461
10-43-P	40.21	40.21	-2991.83	-36.40	2.608
10-44-P	40.21	40.21	-2993.29	-34.84	2.796
10-45-P	40.21	40.21	-2995.86	-32.08	2.981
10-46-P	40.21	40.21	-3331.89	87.52	2.976
10-47-P	40.21	40.21	-3548.43	76.54	2.308
10-48-P	40.21	48.25	-4513.89	86.75	2.329
10-49-P	40.21	48.25	-4781.84	83.44	2.020
10-50-P	40.21	56.30	-5707.62	83.64	1.937
10-51-P	40.21	56.30	-5856.00	75.88	1.683
10-52-P	40.21	48.25	-5162.10	61.61	1.316
10-53-P	40.21	48.25	-5152.94	54.25	1.212
10-54-P	40.21	48.25	-5149.13	51.18	1.183
10-55-P	40.21	56.30	-5991.59	58.18	1.388

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
10-56-P	40.21	48.25	-5148.87	50.98	1.332
10-57-P	40.21	56.30	-5835.68	59.04	1.749
10-58-P	40.21	56.30	4044.16	6.54	1.698
10-59-P	40.21	48.25	3929.47	7.97	1.529
10-60-P	40.21	48.25	3707.41	8.78	1.365
10-61-P	40.21	40.21	3479.38	9.08	1.216
10-62-P	40.21	40.21	3256.53	8.97	1.083
10-63-P	48.25	40.21	3631.19	10.67	1.169
10-64-P	48.25	40.21	3632.56	12.19	1.143
10-65-P	48.25	40.21	3633.72	13.49	1.118
10-66-P	48.25	40.21	3634.74	14.63	1.097
10-67-P	48.25	40.21	3635.74	15.73	1.110
10-68-P	48.25	40.21	3636.48	16.56	1.125
10-69-P	48.25	40.21	3637.15	17.30	1.139
10-70-P	48.25	40.21	3637.68	17.89	1.161
10-71-P	48.25	40.21	3638.29	18.57	1.181
10-72-P	40.21	40.21	3040.31	16.16	1.003
10-73-P	40.21	40.21	3040.79	16.69	1.046
10-74-P	40.21	40.21	3041.28	17.24	1.098
10-75-P	40.21	40.21	3041.84	17.86	1.154
10-76-P	40.21	40.21	3042.49	18.58	1.212
10-77-P	40.21	40.21	3043.18	19.34	1.273
10-78-P	40.21	40.21	3043.41	19.60	1.339
10-79-P	40.21	40.21	3043.70	19.91	1.414
10-80-P	40.21	40.21	3044.05	20.31	1.500
10-81-P	40.21	40.21	3044.72	21.05	1.598
10-82-P	40.21	56.30	3055.19	22.80	1.720
10-83-P	40.21	72.38	3063.49	25.40	1.868
10-84-P	40.21	80.42	3068.51	28.45	2.040
10-85-P	40.21	80.42	3071.94	32.16	2.247
10-86-P	40.21	64.34	2814.07	30.99	2.281
10-87-P	40.21	48.25	2299.51	23.39	2.062
10-88-P	40.21	40.21	1790.68	15.50	1.762
10-89-P	40.21	40.21	1791.48	16.98	1.947
10-90-P	40.21	40.21	1792.46	18.80	2.176
10-91-P	40.21	40.21	1793.72	21.13	2.467
10-92-P	40.21	40.21	1781.80	-0.98	2.582
10-93-P	40.21	40.21	1781.77	-1.02	2.662
10-94-P	40.21	40.21	1781.78	-1.02	2.735
10-95-P	40.21	40.21	1781.81	-0.95	2.831
10-96-P	40.21	40.21	1781.90	-0.79	2.962
10-97-P	40.21	40.21	1782.05	-0.53	3.129
10-98-P	40.21	40.21	1782.21	-0.23	3.309
10-99-P	40.21	40.21	1782.38	0.07	3.449
10-100-P	40.21	40.21	1782.54	0.37	3.566
10-101-P	40.21	40.21	1782.73	0.72	3.692
10-102-P	40.21	40.21	1782.93	1.10	3.825
10-103-P	40.21	40.21	1783.14	1.48	3.963
10-104-P	40.21	40.21	1783.23	1.66	4.113
10-105-P	40.21	40.21	1783.32	1.82	4.270
10-106-P	40.21	40.21	1783.43	2.02	4.435
10-107-P	24.13	24.13	1070.93	1.16	3.894
11-1-P	40.21	40.21	1783.05	1.44	5.253
11-2-P	40.21	40.21	1783.08	1.37	4.977
11-3-P	40.21	40.21	1783.07	1.36	4.753
11-4-P	40.21	40.21	1783.10	1.40	4.535
11-5-P	40.21	40.21	1783.10	1.41	4.330
11-6-P	40.21	40.21	1783.04	1.31	4.150
11-7-P	40.21	40.21	1782.99	1.21	3.985
11-8-P	40.21	40.21	1782.96	1.16	3.841
11-9-P	40.21	40.21	1782.96	1.15	3.710
11-10-P	40.21	40.21	1783.01	1.25	3.523
11-11-P	40.21	40.21	1783.10	1.42	3.356
11-12-P	40.21	40.21	1783.20	1.60	3.207
11-13-P	40.21	40.21	1783.30	1.78	3.074
11-14-P	40.21	40.21	1783.39	1.95	2.953
11-15-P	40.21	40.21	1783.43	2.02	2.796
11-16-P	40.21	40.21	1783.41	1.99	2.611
11-17-P	40.21	40.21	1783.42	2.01	2.460
11-18-P	40.21	40.21	1783.50	2.15	2.353
11-19-P	40.21	40.21	1783.62	2.38	2.276
11-20-P	40.21	40.21	2032.96	3.26	2.514
11-21-P	40.21	64.34	2793.18	6.21	3.328
11-22-P	40.21	80.42	3048.89	7.21	3.481
11-23-P	40.21	80.42	3048.56	6.85	3.340
11-24-P	40.21	80.42	3048.40	6.68	3.221
11-25-P	40.21	56.30	3040.64	6.86	3.127
11-26-P	40.21	40.21	3032.40	7.39	3.059
11-27-P	40.21	40.21	3032.92	7.98	3.008
11-28-P	40.21	40.21	3033.08	8.15	2.944
11-29-P	40.21	40.21	-2973.38	-56.22	2.750
11-30-P	40.21	40.21	-2975.29	-54.17	2.530
11-31-P	40.21	40.21	-2976.88	-52.46	2.345
11-32-P	40.21	40.21	-2978.00	-51.26	2.207
11-33-P	40.21	40.21	-2979.10	-50.08	2.080
11-34-P	40.21	40.21	-2980.38	-48.71	1.953
11-35-P	40.21	40.21	-2981.54	-47.46	1.846
11-36-P	40.21	40.21	-2982.74	-46.17	1.741
11-37-P	40.21	40.21	-2984.06	-44.75	1.636

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
11-38-P	40.21	40.21	-2984.39	-44.40	1.602
11-39-P	40.21	40.21	-2984.89	-43.86	1.582
11-40-P	40.21	64.34	-4744.32	-65.84	2.458
11-41-P	40.21	64.34	-4748.62	-61.15	2.477
11-42-P	40.21	64.34	-5433.15	-74.79	2.948
11-43-P	40.21	80.42	-7822.06	-114.08	4.420
11-44-P	56.30	96.51	-10665.27	-158.56	6.379
11-45-P	56.30	112.59	-13669.08	-203.41	8.829
11-46-P	56.30	120.64	-15231.57	-214.11	10.654
11-47-P	56.30	112.59	-14503.83	-192.62	11.397
11-48-P	56.30	96.51	-12471.29	-165.29	11.470
11-49-P	56.30	88.47	-12590.88	576.32	8.927
11-50-P	56.30	72.38	-10156.35	354.80	5.055
11-51-P	56.30	64.34	-8837.65	183.66	2.609
11-52-P	56.30	64.34	-8750.28	127.97	1.827
11-53-P	56.30	64.34	-8702.07	97.24	1.412
11-54-P	56.30	64.34	-8672.90	78.65	1.191
11-55-P	56.30	64.34	-8653.45	66.25	1.071
11-56-P	56.30	64.34	-8653.01	65.97	1.230
11-57-P	56.30	64.34	-8657.94	69.11	1.549
11-58-P	56.30	64.34	-8669.23	76.31	2.148
11-59-P	56.30	64.34	7522.78	12.26	2.610
11-60-P	56.30	72.38	7539.00	17.31	2.426
11-61-P	56.30	88.47	7560.23	22.12	2.275
11-62-P	56.30	96.51	7574.62	26.67	2.144
11-63-P	56.30	112.59	7591.45	31.18	2.035
11-64-P	56.30	120.64	7475.61	35.64	1.938
11-65-P	56.30	112.59	7201.36	37.60	1.814
11-66-P	56.30	96.51	6328.66	34.43	1.549
11-67-P	56.30	80.42	5687.75	31.97	1.377
11-68-P	56.30	64.34	4887.65	27.28	1.195
11-69-P	56.30	64.34	4258.62	23.30	1.052
11-70-P	56.30	40.21	4237.54	25.69	1.069
11-71-P	56.30	40.21	4239.41	27.78	1.106
11-72-P	56.30	40.21	4240.61	29.13	1.139
11-73-P	56.30	40.21	4241.52	30.15	1.174
11-74-P	56.30	40.21	4242.41	31.14	1.242
11-75-P	56.30	40.21	4243.41	32.27	1.321
11-76-P	40.21	40.21	3047.49	24.12	1.007
11-77-P	40.21	40.21	3048.47	25.20	1.068
11-78-P	40.21	40.21	3049.29	26.11	1.139
11-79-P	40.21	40.21	3049.83	26.71	1.222
11-80-P	40.21	40.21	3050.48	27.43	1.314
11-81-P	40.21	40.21	3051.26	28.29	1.416
11-82-P	40.21	40.21	3052.18	29.32	1.530
11-83-P	40.21	40.21	3053.37	30.63	1.655
11-84-P	40.21	40.21	3055.75	33.27	1.791
11-85-P	40.21	56.30	3067.59	36.39	1.954
11-86-P	40.21	80.42	3078.98	39.78	2.147
11-87-P	40.21	80.42	3082.36	43.44	2.377
11-88-P	40.21	80.42	3086.48	47.91	2.661
11-89-P	40.21	64.34	2826.11	45.27	2.758
11-90-P	40.21	40.21	2047.46	26.98	2.245
11-91-P	40.21	40.21	1794.65	22.86	2.191
11-92-P	40.21	40.21	1781.13	-2.18	2.384
11-93-P	40.21	40.21	1781.05	-2.32	2.475
11-94-P	40.21	40.21	1781.01	-2.39	2.591
11-95-P	40.21	40.21	1781.03	-2.36	2.734
11-96-P	40.21	40.21	1781.08	-2.27	2.869
11-97-P	40.21	40.21	1781.14	-2.17	3.006
11-98-P	40.21	40.21	1781.20	-2.05	3.159
11-99-P	40.21	40.21	1781.29	-1.90	3.329
11-100-P	40.21	40.21	1781.38	-1.74	3.517
11-101-P	40.21	40.21	1781.49	-1.53	3.680
11-102-P	40.21	40.21	1781.65	-1.24	3.809
11-103-P	40.21	40.21	1781.87	-0.85	3.922
11-104-P	40.21	40.21	1782.10	-0.44	4.042
11-105-P	40.21	40.21	1782.34	-0.01	4.171
11-106-P	40.21	40.21	1782.47	0.24	4.319
11-107-P	40.21	40.21	1782.53	0.35	4.512
11-108-P	40.21	40.21	1782.61	0.49	4.748
11-109-P	40.21	40.21	1782.64	0.68	5.082
12-1-P	40.21	40.21	1782.71	0.69	5.879
12-2-P	40.21	40.21	1782.67	0.61	5.525
12-3-P	40.21	40.21	1782.64	0.56	5.240
12-4-P	40.21	40.21	1782.63	0.54	5.005
12-5-P	40.21	40.21	1782.57	0.43	4.838
12-6-P	40.21	40.21	1782.50	0.30	4.703
12-7-P	40.21	40.21	1782.45	0.21	4.546
12-8-P	40.21	40.21	1782.43	0.17	4.376
12-9-P	40.21	40.21	1782.43	0.16	4.188
12-10-P	40.21	40.21	1782.45	0.21	3.955
12-11-P	40.21	40.21	1782.48	0.26	3.743
12-12-P	40.21	40.21	1782.50	0.31	3.554
12-13-P	40.21	40.21	1782.56	0.41	3.390
12-14-P	40.21	40.21	1782.65	0.57	3.242
12-15-P	40.21	40.21	1782.71	0.69	3.043
12-16-P	40.21	40.21	1782.76	0.78	2.840
12-17-P	40.21	40.21	1782.80	0.86	2.660

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
12-18-P	40.21	40.21	1782.84	0.93	2.504
12-19-P	40.21	40.21	1782.88	1.00	2.366
12-20-P	40.21	64.34	2789.93	2.36	3.492
12-21-P	40.21	80.42	3044.67	2.64	3.590
12-22-P	40.21	80.42	3044.51	2.46	3.426
12-23-P	40.21	80.42	3044.40	2.34	3.290
12-24-P	40.21	56.30	3036.41	2.22	3.156
12-25-P	40.21	40.21	3027.62	2.10	3.034
12-26-P	40.21	40.21	3027.47	1.93	2.944
12-27-P	40.21	40.21	3027.30	1.74	2.881
12-28-P	40.21	40.21	3026.96	1.37	2.771
12-29-P	40.21	40.21	-2961.97	-68.48	2.590
12-30-P	40.21	40.21	-2964.47	-65.79	2.365
12-31-P	40.21	40.21	-2966.58	-63.53	2.182
12-32-P	40.21	40.21	-2968.39	-61.58	2.030
12-33-P	40.21	40.21	-2970.31	-59.52	1.879
12-34-P	40.21	40.21	-2972.54	-57.13	1.716
12-35-P	40.21	40.21	-2974.73	-54.77	1.564
12-36-P	40.21	40.21	-2976.89	-52.46	1.430
12-37-P	40.21	56.30	-4150.49	-69.55	1.849
12-38-P	40.21	56.30	-4156.03	-63.54	1.703
12-39-P	40.21	56.30	-4162.83	-56.16	1.578
12-40-P	40.21	64.34	-6173.19	-97.49	2.264
12-41-P	64.34	88.47	-10419.84	-184.67	3.789
12-42-P	64.34	112.59	-14415.94	-264.85	5.283
12-43-P	64.34	112.59	-14436.39	-252.14	5.457
12-44-P	64.34	104.55	-13431.15	-230.34	5.409
12-45-P	64.34	80.42	-10372.47	-180.91	4.500
12-46-P	64.34	56.30	-7278.57	-133.34	3.446
12-47-P	64.34	56.30	-7263.51	-142.27	3.874
12-48-P	64.34	56.30	-7248.58	-151.14	4.432
12-49-P	64.34	56.30	-7233.49	-160.09	5.157
12-50-P	64.34	56.30	-7217.24	-169.73	6.379
12-51-P	64.34	56.30	-7862.26	221.96	3.781
12-52-P	64.34	56.30	-7740.58	144.89	2.324
12-53-P	64.34	56.30	-7671.58	102.35	1.597
12-54-P	64.34	56.30	-7634.56	79.84	1.247
12-55-P	64.34	56.30	-7618.63	70.15	1.156
12-56-P	64.34	56.30	-7612.22	66.25	1.218
12-57-P	64.34	56.30	-7611.97	66.10	1.410
12-58-P	64.34	56.30	-7621.11	71.66	1.867
12-59-P	64.34	56.30	8599.67	31.76	2.625
12-60-P	64.34	56.30	8608.06	37.07	2.408
12-61-P	64.34	56.30	8618.35	43.58	2.221
12-62-P	64.34	56.30	8629.97	50.94	2.057
12-63-P	64.34	56.30	8639.86	57.21	1.922
12-64-P	64.34	56.30	8640.55	57.64	1.843
12-65-P	64.34	56.30	8643.10	59.26	1.768
12-66-P	64.34	80.42	8679.66	62.13	1.704
12-67-P	64.34	104.55	8708.22	66.06	1.692
12-68-P	64.34	112.59	8723.16	71.67	1.688
12-69-P	64.34	112.59	8734.02	78.38	1.684
12-70-P	64.34	88.47	7946.79	72.15	1.589
12-71-P	64.34	64.34	6388.10	54.05	1.338
12-72-P	64.34	56.30	4857.60	35.03	1.064
12-73-P	64.34	56.30	4861.82	39.70	1.130
12-74-P	64.34	56.30	4865.54	43.83	1.214
12-75-P	64.34	40.21	4845.46	45.86	1.289
12-76-P	64.34	40.21	4847.13	47.74	1.382
12-77-P	64.34	40.21	4849.16	50.03	1.501
12-78-P	40.21	40.21	3055.35	32.83	1.028
12-79-P	40.21	40.21	3056.00	33.54	1.105
12-80-P	40.21	40.21	3056.92	34.56	1.192
12-81-P	40.21	40.21	3058.15	35.93	1.292
12-82-P	40.21	40.21	3059.62	37.56	1.412
12-83-P	40.21	40.21	3061.06	39.15	1.551
12-84-P	40.21	40.21	3062.05	40.25	1.711
12-85-P	40.21	40.21	3063.53	41.88	1.888
12-86-P	40.21	40.21	3066.16	44.81	2.070
12-87-P	40.21	56.30	3078.95	48.83	2.282
12-88-P	40.21	80.42	3091.87	53.74	2.541
12-89-P	40.21	80.42	3097.39	59.72	2.858
12-90-P	40.21	80.42	3104.11	67.00	3.256
12-91-P	40.21	64.34	2841.95	64.05	3.434
12-92-P	40.21	40.21	1780.94	-2.53	2.405
12-93-P	40.21	40.21	1780.93	-2.55	2.520
12-94-P	40.21	40.21	1780.92	-2.55	2.651
12-95-P	40.21	40.21	1780.93	-2.55	2.800
12-96-P	40.21	40.21	1780.94	-2.53	2.972
12-97-P	40.21	40.21	1780.96	-2.49	3.159
12-98-P	40.21	40.21	1781.00	-2.41	3.327
12-99-P	40.21	40.21	1781.06	-2.31	3.492
12-100-P	40.21	40.21	1781.13	-2.18	3.656
12-101-P	40.21	40.21	1781.21	-2.03	3.823
12-102-P	40.21	40.21	1781.31	-1.86	4.005
12-103-P	40.21	40.21	1781.41	-1.67	4.202
12-104-P	40.21	40.21	1781.56	-1.40	4.392
12-105-P	40.21	40.21	1781.76	-1.04	4.561
12-106-P	40.21	40.21	1781.94	-0.72	4.731

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
12-107-P	40.21	40.21	1781.96	-0.69	4.959
12-108-P	40.21	40.21	1781.98	-0.65	5.212
12-109-P	40.21	40.21	1782.01	-0.60	5.494
12-110-P	40.21	40.21	1782.05	-0.52	5.820
13-1-P	40.21	40.21	1782.52	0.33	7.075
13-2-P	40.21	40.21	1782.48	0.26	6.562
13-3-P	40.21	40.21	1782.44	0.19	6.117
13-4-P	40.21	40.21	1782.41	0.13	5.735
13-5-P	40.21	40.21	1782.36	0.03	5.487
13-6-P	40.21	40.21	1782.27	-0.13	5.323
13-7-P	40.21	40.21	1782.19	-0.27	5.168
13-8-P	40.21	40.21	1782.14	-0.36	5.003
13-9-P	40.21	40.21	1782.13	-0.38	4.821
13-10-P	40.21	40.21	1782.16	-0.32	4.612
13-11-P	40.21	40.21	1782.22	-0.21	4.389
13-12-P	40.21	40.21	1782.29	-0.08	4.174
13-13-P	40.21	40.21	1782.36	0.03	3.977
13-14-P	40.21	40.21	1782.41	0.13	3.775
13-15-P	40.21	40.21	1782.43	0.16	3.496
13-16-P	40.21	40.21	1782.45	0.20	3.247
13-17-P	40.21	40.21	1782.48	0.27	3.033
13-18-P	40.21	40.21	1782.54	0.38	2.847
13-19-P	40.21	40.21	1782.61	0.51	2.683
13-20-P	40.21	80.42	3043.45	1.31	4.243
13-21-P	40.21	80.42	3043.13	0.97	3.916
13-22-P	40.21	80.42	3042.87	0.69	3.641
13-23-P	40.21	80.42	3042.70	0.50	3.419
13-24-P	40.21	40.21	3026.05	0.36	3.239
13-25-P	40.21	40.21	3025.72	0.00	3.147
13-26-P	40.21	40.21	3025.36	-0.39	3.073
13-27-P	40.21	40.21	3025.04	-0.73	3.007
13-28-P	40.21	40.21	3024.74	-1.06	2.942
13-29-P	40.21	40.21	-2949.79	-81.56	2.698
13-30-P	40.21	40.21	-2953.45	-77.64	2.428
13-31-P	40.21	40.21	-2956.35	-74.52	2.209
13-32-P	40.21	40.21	-2958.69	-72.00	2.029
13-33-P	40.21	40.21	-2961.57	-68.91	1.834
13-34-P	40.21	40.21	-2965.30	-64.90	1.622
13-35-P	40.21	40.21	-2968.38	-61.60	1.459
13-36-P	40.21	56.30	-4140.06	-80.87	1.843
13-37-P	40.21	56.30	-4149.28	-70.86	1.631
13-38-P	40.21	56.30	-4158.23	-61.15	1.456
13-39-P	40.21	88.47	4448.39	-1.92	2.735
13-40-P	64.34	112.59	-14376.32	-289.46	4.082
13-41-P	64.34	112.59	-14413.19	-266.55	3.737
13-42-P	64.34	112.59	-14440.75	-249.43	3.528
13-43-P	64.34	88.47	-11413.99	-185.66	2.678
13-44-P	64.34	56.30	-7286.20	-128.81	1.824
13-45-P	64.34	56.30	-7253.44	-148.25	2.038
13-46-P	64.34	56.30	-7212.16	-172.75	2.297
13-47-P	64.34	56.30	-7159.67	-203.89	2.610
13-48-P	64.34	56.30	-7091.90	-244.11	2.997
13-49-P	64.34	56.30	-6974.43	-313.81	3.715
13-50-P	64.34	56.30	-6816.90	-407.28	4.785
13-51-P	64.34	56.30	-6601.55	-535.07	6.388
13-52-P	64.34	56.30	-7814.90	191.96	5.931
13-53-P	64.34	56.30	-7848.64	213.33	5.188
13-54-P	64.34	56.30	-7897.37	244.20	5.110
13-55-P	64.34	56.30	8356.32	-117.70	4.479
13-56-P	64.34	56.30	8490.62	-35.88	3.612
13-57-P	64.34	56.30	8567.66	11.49	3.085
13-58-P	64.34	56.30	8656.99	68.05	2.745
13-59-P	64.34	56.30	8757.27	131.55	2.501
13-60-P	64.34	56.30	8826.21	175.20	2.290
13-61-P	64.34	56.30	8823.70	173.61	2.089
13-62-P	64.34	56.30	8799.45	158.26	1.900
13-63-P	64.34	56.30	8765.49	136.75	1.715
13-64-P	64.34	56.30	8731.87	115.47	1.557
13-65-P	64.34	56.30	8710.27	101.79	1.440
13-66-P	64.34	56.30	8697.05	93.42	1.348
13-67-P	64.34	56.30	8691.49	89.90	1.323
13-68-P	64.34	56.30	8687.54	87.39	1.331
13-69-P	64.34	88.47	8723.93	84.56	1.350
13-70-P	64.34	112.59	8743.50	84.24	1.381
13-71-P	64.34	112.59	8754.59	91.10	1.438
13-72-P	64.34	112.59	8774.98	103.70	1.557
13-73-P	64.34	88.47	7204.43	83.32	1.413
13-74-P	64.34	56.30	4865.30	43.57	1.040
13-75-P	64.34	56.30	4871.21	50.12	1.142
13-76-P	64.34	56.30	4877.48	57.08	1.268
13-77-P	64.34	40.21	4858.25	60.26	1.381
13-78-P	64.34	40.21	4861.01	63.35	1.518
13-79-P	40.21	40.21	3063.04	41.35	1.047
13-80-P	40.21	40.21	3064.04	42.45	1.135
13-81-P	40.21	40.21	3065.15	43.69	1.236
13-82-P	40.21	40.21	3066.31	44.97	1.352
13-83-P	40.21	40.21	3067.47	46.25	1.478
13-84-P	40.21	40.21	3068.91	47.85	1.618
13-85-P	40.21	40.21	3070.65	49.78	1.787

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
13-86-P	40.21	40.21	3072.80	52.16	1.996
13-87-P	40.21	40.21	3075.26	54.89	2.242
13-88-P	40.21	40.21	3078.78	58.78	2.489
13-89-P	40.21	80.42	3101.99	64.70	2.788
13-90-P	40.21	80.42	3108.06	71.27	3.136
13-91-P	40.21	80.42	3115.82	79.68	3.583
13-92-P	40.21	80.42	3126.04	90.74	4.176
13-93-P	40.21	40.21	1781.22	-2.02	2.725
13-94-P	40.21	40.21	1781.20	-2.05	2.856
13-95-P	40.21	40.21	1781.18	-2.08	3.005
13-96-P	40.21	40.21	1781.17	-2.12	3.178
13-97-P	40.21	40.21	1781.15	-2.15	3.380
13-98-P	40.21	40.21	1781.12	-2.19	3.619
13-99-P	40.21	40.21	1781.12	-2.21	3.828
13-100-P	40.21	40.21	1781.14	-2.16	3.986
13-101-P	40.21	40.21	1781.21	-2.04	4.173
13-102-P	40.21	40.21	1781.31	-1.86	4.390
13-103-P	40.21	40.21	1781.43	-1.65	4.635
13-104-P	40.21	40.21	1781.56	-1.41	4.906
13-105-P	40.21	40.21	1781.71	-1.14	5.201
13-106-P	40.21	40.21	1781.79	-1.00	5.408
13-107-P	40.21	40.21	1781.80	-0.98	5.592
13-108-P	40.21	40.21	1781.78	-1.00	5.881
13-109-P	40.21	40.21	1781.76	-1.05	6.230
13-110-P	40.21	40.21	1781.74	-1.07	6.620
13-111-P	40.21	40.21	1781.73	-1.10	7.060
14-1-P	48.25	48.25	-2137.22	-0.12	10.522
14-2-P	48.25	48.25	2137.24	-0.09	9.997
14-3-P	48.25	48.25	2137.26	-0.05	9.381
14-4-P	48.25	48.25	2137.28	-0.03	8.817
14-5-P	48.25	48.25	2137.29	-0.01	8.302
14-6-P	48.25	48.25	2137.27	-0.04	7.988
14-7-P	48.25	48.25	2137.25	-0.08	7.610
14-8-P	48.25	48.25	2137.23	-0.11	7.238
14-9-P	48.25	48.25	2137.22	-0.13	6.900
14-10-P	48.25	48.25	2137.21	-0.15	6.592
14-11-P	48.25	48.25	2137.20	-0.17	6.313
14-12-P	48.25	48.25	2137.21	-0.15	6.041
14-13-P	48.25	48.25	2137.25	-0.07	5.761
14-14-P	48.25	48.25	2137.30	0.01	5.327
14-15-P	48.25	48.25	2137.33	0.07	4.921
14-16-P	48.25	48.25	2137.35	0.11	4.579
14-17-P	48.25	48.25	2137.37	0.16	4.286
14-18-P	48.25	48.25	2137.39	0.19	4.038
14-19-P	48.25	48.25	2137.41	0.22	3.819
14-20-P	48.25	96.51	3650.88	0.54	6.059
14-21-P	48.25	96.51	3650.80	0.45	5.650
14-22-P	48.25	96.51	3650.72	0.37	5.289
14-23-P	48.25	96.51	3650.65	0.29	4.968
14-24-P	48.25	48.25	3628.60	0.21	4.653
14-25-P	48.25	48.25	3628.04	-0.39	4.465
14-26-P	48.25	48.25	3627.58	-0.88	4.306
14-27-P	48.25	48.25	-3517.62	-119.02	4.111
14-28-P	48.25	48.25	-3522.88	-113.36	3.693
14-29-P	48.25	48.25	-3527.27	-108.65	3.338
14-30-P	48.25	48.25	-3530.84	-104.81	3.014
14-31-P	48.25	48.25	-3534.09	-101.33	2.745
14-32-P	48.25	48.25	-3537.15	-98.04	2.514
14-33-P	48.25	48.25	-3541.92	-92.91	2.253
14-34-P	48.25	48.25	-3547.66	-86.74	1.991
14-35-P	48.25	64.34	-4716.29	-108.46	2.368
14-36-P	48.25	64.34	-4727.59	-96.21	2.103
14-37-P	48.25	64.34	-4741.69	-80.93	1.855
14-38-P	48.25	104.55	5339.21	-1.00	3.555
14-39-P	64.34	128.68	-16373.72	-336.18	4.825
14-40-P	64.34	128.68	-16464.16	-279.64	4.194
14-41-P	64.34	128.68	-16529.80	-238.60	3.531
14-42-P	64.34	96.51	-12507.20	-156.61	2.095
14-43-P	64.34	64.34	-8404.44	-95.58	1.147
14-44-P	64.34	64.34	-8395.24	-101.19	1.077
14-45-P	64.34	64.34	-8330.49	-140.69	1.293
14-46-P	64.34	64.34	-8237.48	-197.10	1.621
14-47-P	64.34	64.34	-8087.80	-286.04	2.162
14-48-P	64.34	64.34	-7862.87	-419.70	2.834
14-49-P	64.34	64.34	-7519.49	-623.73	3.779
14-50-P	64.34	64.34	7571.77	-600.77	5.137
14-51-P	64.34	64.34	7519.62	-632.43	4.985
14-52-P	64.34	64.34	7668.11	-542.26	4.601
14-53-P	64.34	64.34	7963.68	-362.79	4.170
14-54-P	64.34	64.34	8189.38	-225.73	3.893
14-55-P	64.34	64.34	8259.79	-182.97	3.259
14-56-P	64.34	64.34	8469.78	-55.47	2.657
14-57-P	64.34	64.34	8611.14	31.54	2.448
14-58-P	64.34	64.34	8739.28	112.31	2.317
14-59-P	64.34	64.34	8864.52	191.27	2.222
14-60-P	64.34	64.34	8990.94	270.97	2.156
14-61-P	64.34	64.34	9075.18	324.07	2.065
14-62-P	64.34	64.34	8976.10	261.61	1.816
14-63-P	64.34	64.34	8901.85	214.80	1.625

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
14-64-P	64.34	64.34	8842.90	177.64	1.472
14-65-P	64.34	64.34	8783.77	140.36	1.268
14-66-P	64.34	64.34	8726.20	104.07	1.035
14-67-P	80.42	64.34	10825.12	100.19	1.102
14-68-P	80.42	64.34	10810.41	90.85	1.064
14-69-P	80.42	64.34	10812.81	92.38	1.124
14-70-P	64.34	96.51	8726.77	81.67	1.030
14-71-P	64.34	128.68	8782.09	98.79	1.285
14-72-P	64.34	128.68	8809.29	115.02	1.482
14-73-P	64.34	128.68	8836.13	131.04	1.654
14-74-P	64.34	104.55	7243.70	103.69	1.526
14-75-P	64.34	64.34	4883.41	54.36	1.135
14-76-P	64.34	64.34	4890.88	62.61	1.264
14-77-P	48.25	64.34	3686.68	52.69	1.059
14-78-P	48.25	48.25	3677.58	54.41	1.153
14-79-P	48.25	48.25	3679.25	56.25	1.267
14-80-P	48.25	48.25	3680.74	57.90	1.394
14-81-P	48.25	48.25	3682.15	59.46	1.517
14-82-P	48.25	48.25	3683.80	61.29	1.661
14-83-P	48.25	48.25	3685.75	63.45	1.835
14-84-P	48.25	48.25	3687.95	65.88	2.034
14-85-P	48.25	48.25	3690.15	68.32	2.238
14-86-P	48.25	48.25	3691.81	70.15	2.454
14-87-P	48.25	48.25	3693.48	72.00	2.708
14-88-P	48.25	48.25	3695.63	74.37	3.019
14-89-P	48.25	96.51	3725.29	80.85	3.401
14-90-P	48.25	96.51	3733.70	89.93	3.844
14-91-P	48.25	96.51	3744.64	101.73	4.420
14-92-P	48.25	96.51	3759.43	117.70	5.198
14-93-P	48.25	48.25	2163.27	48.17	3.605
14-94-P	48.25	48.25	2136.63	-1.19	4.094
14-95-P	48.25	48.25	2136.60	-1.25	4.354
14-96-P	48.25	48.25	2136.59	-1.27	4.667
14-97-P	48.25	48.25	2136.60	-1.24	5.048
14-98-P	48.25	48.25	2136.64	-1.17	5.511
14-99-P	48.25	48.25	2136.67	-1.11	5.842
14-100-P	48.25	48.25	2136.70	-1.07	6.114
14-101-P	48.25	48.25	2136.72	-1.02	6.412
14-102-P	48.25	48.25	2136.74	-0.99	6.748
14-103-P	48.25	48.25	2136.81	-0.86	7.148
14-104-P	48.25	48.25	2136.92	-0.67	7.573
14-105-P	48.25	48.25	2136.95	-0.61	7.829
14-106-P	48.25	48.25	2137.01	-0.51	8.096
14-107-P	48.25	48.25	2137.07	-0.40	8.384
14-108-P	48.25	48.25	2137.12	-0.30	8.708
14-109-P	48.25	48.25	2137.08	-0.37	9.129
14-110-P	48.25	48.25	2137.02	-0.50	9.656
14-111-P	48.25	48.25	2136.93	-0.65	10.304
15-1-P	40.21	40.21	-1782.24	-0.19	7.839
15-2-P	40.21	40.21	-1782.29	-0.09	7.766
15-3-P	40.21	40.21	-1782.34	0.00	7.701
15-4-P	40.21	40.21	-1782.38	0.08	7.635
15-5-P	40.21	40.21	-1782.45	0.20	7.423
15-6-P	40.21	40.21	-1782.51	0.31	7.155
15-7-P	40.21	40.21	-1782.56	0.41	6.900
15-8-P	40.21	40.21	-1782.56	0.42	6.632
15-9-P	40.21	40.21	-1782.54	0.38	6.367
15-10-P	40.21	40.21	-1782.51	0.32	6.119
15-11-P	40.21	40.21	-1782.46	0.22	5.886
15-12-P	40.21	40.21	-1782.39	0.09	5.669
15-13-P	40.21	40.21	-1782.31	-0.06	5.469
15-14-P	40.21	40.21	-1782.28	-0.12	5.337
15-15-P	40.21	40.21	-1782.30	-0.08	5.273
15-16-P	40.21	40.21	1782.32	-0.03	5.190
15-17-P	40.21	40.21	1782.35	0.01	4.823
15-18-P	40.21	40.21	1782.37	0.06	4.503
15-19-P	40.21	40.21	1782.39	0.10	4.222
15-20-P	40.21	80.42	3042.44	0.22	6.633
15-21-P	40.21	80.42	3042.42	0.20	6.172
15-22-P	40.21	80.42	3042.41	0.19	5.801
15-23-P	40.21	80.42	3042.42	0.20	5.503
15-24-P	40.21	40.21	-2912.15	-122.00	5.014
15-25-P	40.21	40.21	-2921.33	-112.13	4.468
15-26-P	40.21	40.21	-2927.55	-105.45	3.902
15-27-P	40.21	40.21	-2932.34	-100.31	3.457
15-28-P	40.21	40.21	-2936.36	-95.99	3.100
15-29-P	40.21	40.21	-2940.39	-91.66	2.791
15-30-P	40.21	40.21	-2944.34	-87.42	2.513
15-31-P	40.21	40.21	-2947.40	-84.13	2.274
15-32-P	40.21	40.21	-2949.78	-81.57	2.076
15-33-P	40.21	40.21	-2952.49	-78.67	1.890
15-34-P	40.21	40.21	-2957.81	-72.95	1.662
15-35-P	40.21	56.30	-4127.25	-94.76	2.060
15-36-P	40.21	56.30	-4137.38	-83.77	1.818
15-37-P	40.21	56.30	-4149.25	-70.89	1.602
15-38-P	40.21	88.47	-9346.23	-199.09	3.208
15-39-P	64.34	112.59	-14354.43	-303.06	4.211
15-40-P	64.34	112.59	-14428.59	-256.98	3.686
15-41-P	64.34	112.59	-14492.18	-217.47	3.136

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
15-42-P	64.34	88.47	-11481.13	-144.31	1.885
15-43-P	64.34	56.30	-7351.78	-89.90	1.045
15-44-P	64.34	56.30	-7336.47	-98.98	1.036
15-45-P	64.34	56.30	-7302.02	-119.42	1.133
15-46-P	64.34	56.30	-7238.31	-157.23	1.355
15-47-P	64.34	56.30	-7101.58	-238.36	1.877
15-48-P	64.34	56.30	-6893.66	-361.74	2.396
15-49-P	64.34	56.30	-6567.46	-555.30	3.216
15-50-P	64.34	56.30	8557.49	5.05	3.308
15-51-P	64.34	56.30	8541.39	-4.95	2.972
15-52-P	64.34	56.30	8530.75	-11.43	2.640
15-53-P	64.34	56.30	8524.52	-15.23	2.367
15-54-P	64.34	56.30	8518.55	-18.86	2.160
15-55-P	64.34	56.30	8512.67	-22.45	1.998
15-56-P	64.34	56.30	8506.56	-26.17	1.873
15-57-P	64.34	56.30	8507.29	-25.73	1.881
15-58-P	64.34	56.30	8517.53	-19.48	2.059
15-59-P	64.34	56.30	8529.35	-12.28	2.278
15-60-P	64.34	56.30	9085.33	339.27	2.244
15-61-P	64.34	56.30	9133.87	370.01	2.111
15-62-P	64.34	56.30	9025.92	301.65	1.838
15-63-P	64.34	56.30	8925.57	238.12	1.613
15-64-P	64.34	56.30	8842.41	185.46	1.436
15-65-P	64.34	56.30	8775.02	142.79	1.243
15-66-P	64.34	56.30	8726.10	111.81	1.045
15-67-P	80.42	56.30	10827.57	113.02	1.152
15-68-P	80.42	56.30	10797.80	94.04	1.060
15-69-P	80.42	56.30	10794.20	91.75	1.106
15-70-P	64.34	88.47	8724.03	84.62	1.051
15-71-P	64.34	112.59	8768.76	99.86	1.273
15-72-P	64.34	112.59	8795.09	116.13	1.473
15-73-P	64.34	112.59	8823.86	133.91	1.660
15-74-P	64.34	88.47	7235.29	106.51	1.544
15-75-P	64.34	56.30	4875.64	55.03	1.143
15-76-P	64.34	56.30	4882.08	62.17	1.263
15-77-P	64.34	56.30	4889.25	70.13	1.405
15-78-P	64.34	40.21	4868.60	71.89	1.521
15-79-P	40.21	40.21	3067.84	46.67	1.049
15-80-P	40.21	40.21	3069.23	48.20	1.159
15-81-P	40.21	40.21	3070.73	49.87	1.277
15-82-P	40.21	40.21	3072.12	51.41	1.391
15-83-P	40.21	40.21	3073.48	52.91	1.523
15-84-P	40.21	40.21	3075.00	54.60	1.682
15-85-P	40.21	40.21	3076.66	56.44	1.873
15-86-P	40.21	40.21	3078.18	58.12	2.065
15-87-P	40.21	40.21	3079.90	60.03	2.277
15-88-P	40.21	40.21	3083.05	63.52	2.523
15-89-P	40.21	80.42	3106.37	69.45	2.831
15-90-P	40.21	80.42	3113.01	76.63	3.198
15-91-P	40.21	80.42	3121.81	86.15	3.675
15-92-P	40.21	80.42	3133.89	99.24	4.321
15-93-P	40.21	40.21	1804.17	40.55	2.997
15-94-P	40.21	40.21	1807.33	46.41	3.496
15-95-P	40.21	40.21	1811.69	54.50	4.191
15-96-P	40.21	40.21	-1783.07	1.37	5.165
15-97-P	40.21	40.21	-1782.97	1.19	5.342
15-98-P	40.21	40.21	-1782.87	0.99	5.539
15-99-P	40.21	40.21	-1782.83	0.92	5.650
15-100-P	40.21	40.21	-1782.81	0.89	5.763
15-101-P	40.21	40.21	-1782.80	0.87	5.907
15-102-P	40.21	40.21	-1782.81	0.88	6.084
15-103-P	40.21	40.21	-1782.82	0.90	6.291
15-104-P	40.21	40.21	-1782.81	0.88	6.540
15-105-P	40.21	40.21	-1782.77	0.80	6.845
15-106-P	40.21	40.21	-1782.71	0.70	7.183
15-107-P	40.21	40.21	-1782.66	0.60	7.526
15-108-P	40.21	40.21	-1782.62	0.52	7.860
15-109-P	40.21	40.21	-1782.58	0.44	8.173
15-110-P	40.21	40.21	-1782.53	0.35	8.483
15-111-P	40.21	40.21	-1782.47	0.24	8.807
16-1-P	40.21	40.21	-1782.25	-0.17	7.571
16-2-P	40.21	40.21	-1782.27	-0.13	7.410
16-3-P	40.21	40.21	-1782.29	-0.10	7.266
16-4-P	40.21	40.21	-1782.31	-0.06	7.140
16-5-P	40.21	40.21	-1782.38	0.08	6.898
16-6-P	40.21	40.21	-1782.47	0.23	6.638
16-7-P	40.21	40.21	-1782.53	0.36	6.400
16-8-P	40.21	40.21	-1782.58	0.44	6.185
16-9-P	40.21	40.21	-1782.58	0.45	5.968
16-10-P	40.21	40.21	-1782.51	0.32	5.723
16-11-P	40.21	40.21	-1782.45	0.21	5.499
16-12-P	40.21	40.21	-1782.39	0.08	5.300
16-13-P	40.21	40.21	-1782.32	-0.03	5.117
16-14-P	40.21	40.21	-1782.26	-0.15	4.956
16-15-P	40.21	40.21	-1782.25	-0.17	4.925
16-16-P	40.21	40.21	-1782.22	-0.22	4.954
16-17-P	40.21	40.21	-1782.15	-0.34	5.013
16-18-P	40.21	40.21	-1782.05	-0.52	5.108
16-19-P	40.21	40.21	-1781.90	-0.79	5.246

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
16-20-P	40.21	80.42	3039.95	-2.40	10.160
16-21-P	40.21	80.42	3040.66	-1.65	9.544
16-22-P	40.21	80.42	3041.23	-1.06	8.987
16-23-P	40.21	80.42	3041.69	-0.58	8.484
16-24-P	40.21	40.21	-2920.92	-112.58	4.728
16-25-P	40.21	40.21	-2929.18	-103.71	4.275
16-26-P	40.21	40.21	-2935.69	-96.70	3.844
16-27-P	40.21	40.21	-2940.96	-91.05	3.380
16-28-P	40.21	40.21	-2946.06	-85.57	2.979
16-29-P	40.21	40.21	-2950.16	-81.16	2.661
16-30-P	40.21	40.21	-2953.48	-77.60	2.404
16-31-P	40.21	40.21	-2956.21	-74.67	2.192
16-32-P	40.21	40.21	-2958.34	-72.38	2.012
16-33-P	40.21	40.21	-2961.99	-68.46	1.801
16-34-P	40.21	40.21	-2965.80	-64.37	1.601
16-35-P	40.21	56.30	-4136.08	-85.18	2.015
16-36-P	40.21	56.30	-4140.17	-80.75	1.833
16-37-P	40.21	56.30	-4149.08	-71.08	1.628
16-38-P	40.21	56.30	-4157.26	-62.20	1.470
16-39-P	64.34	88.47	-9983.29	-191.65	3.178
16-40-P	64.34	112.59	-14395.49	-277.55	4.010
16-41-P	64.34	112.59	-14446.04	-246.14	3.668
16-42-P	64.34	112.59	-14463.42	-235.34	3.586
16-43-P	64.34	88.47	-11407.02	-189.95	2.838
16-44-P	64.34	56.30	-7277.03	-134.25	1.866
16-45-P	64.34	56.30	-7242.73	-154.60	2.001
16-46-P	64.34	56.30	-7206.84	-175.90	2.220
16-47-P	64.34	56.30	-7167.03	-199.53	2.525
16-48-P	64.34	56.30	8557.75	5.21	2.988
16-49-P	64.34	56.30	8526.56	-13.98	2.590
16-50-P	64.34	56.30	8499.53	-30.45	2.287
16-51-P	64.34	56.30	8476.85	-44.27	2.037
16-52-P	64.34	56.30	8462.44	-53.05	1.728
16-53-P	64.34	56.30	8455.73	-57.14	1.511
16-54-P	64.34	56.30	8452.62	-59.03	1.412
16-55-P	64.34	56.30	8450.96	-60.04	1.356
16-56-P	64.34	56.30	8451.88	-59.48	1.322
16-57-P	64.34	56.30	8459.74	-54.69	1.336
16-58-P	64.34	56.30	8476.21	-44.66	1.426
16-59-P	64.34	56.30	8496.91	-32.05	1.571
16-60-P	64.34	56.30	8521.67	-16.96	1.756
16-61-P	64.34	56.30	8552.53	1.91	1.992
16-62-P	64.34	56.30	8753.03	128.86	1.871
16-63-P	64.34	56.30	8727.11	112.45	1.693
16-64-P	64.34	56.30	8713.97	104.13	1.561
16-65-P	64.34	56.30	8707.94	100.31	1.456
16-66-P	64.34	56.30	8701.16	96.02	1.388
16-67-P	64.34	56.30	8692.37	90.45	1.356
16-68-P	64.34	56.30	8684.43	85.43	1.324
16-69-P	64.34	88.47	8717.89	80.79	1.293
16-70-P	64.34	112.59	8751.39	89.12	1.363
16-71-P	64.34	112.59	8767.02	98.78	1.450
16-72-P	64.34	112.59	8785.18	110.00	1.578
16-73-P	64.34	88.47	7648.63	90.87	1.505
16-74-P	64.34	56.30	4865.67	43.97	1.042
16-75-P	64.34	56.30	4870.59	49.43	1.137
16-76-P	64.34	56.30	4876.56	56.05	1.259
16-77-P	64.34	56.30	4880.60	60.54	1.380
16-78-P	64.34	40.21	4860.17	62.42	1.490
16-79-P	40.21	40.21	3062.46	40.70	1.027
16-80-P	40.21	40.21	3063.78	42.16	1.135
16-81-P	40.21	40.21	3064.96	43.48	1.243
16-82-P	40.21	40.21	3066.10	44.74	1.349
16-83-P	40.21	40.21	3067.47	46.26	1.475
16-84-P	40.21	40.21	3069.14	48.11	1.627
16-85-P	40.21	40.21	3071.21	50.40	1.816
16-86-P	40.21	40.21	3073.84	53.31	2.040
16-87-P	40.21	40.21	3077.43	57.29	2.240
16-88-P	40.21	40.21	3081.64	61.95	2.472
16-89-P	40.21	80.42	3104.63	67.56	2.765
16-90-P	40.21	80.42	3110.35	73.75	3.110
16-91-P	40.21	80.42	3117.69	81.70	3.553
16-92-P	40.21	80.42	3127.48	92.30	4.143
16-93-P	40.21	40.21	1801.84	36.21	2.792
16-94-P	40.21	40.21	1804.27	40.72	3.226
16-95-P	40.21	40.21	1807.50	46.72	3.809
16-96-P	40.21	40.21	1812.01	55.11	4.631
16-97-P	40.21	40.21	-1783.93	2.98	5.093
16-98-P	40.21	40.21	-1783.82	2.77	5.254
16-99-P	40.21	40.21	-1783.75	2.65	5.313
16-100-P	40.21	40.21	-1783.71	2.56	5.334
16-101-P	40.21	40.21	-1783.64	2.44	5.366
16-102-P	40.21	40.21	-1783.54	2.24	5.417
16-103-P	40.21	40.21	-1783.40	1.98	5.493
16-104-P	40.21	40.21	-1783.24	1.68	5.626
16-105-P	40.21	40.21	-1783.13	1.48	5.867
16-106-P	40.21	40.21	-1783.02	1.26	6.148
16-107-P	40.21	40.21	-1782.88	1.02	6.470
16-108-P	40.21	40.21	-1782.75	0.76	6.846

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
16-109-P	40.21	40.21	-1782.73	0.73	7.204
16-110-P	40.21	40.21	-1782.71	0.69	7.620
16-111-P	40.21	40.21	-1782.69	0.65	8.086
17-1-P	40.21	40.21	-1782.06	-0.52	7.199
17-2-P	40.21	40.21	-1782.06	-0.51	6.971
17-3-P	40.21	40.21	-1782.04	-0.54	6.771
17-4-P	40.21	40.21	-1782.01	-0.59	6.581
17-5-P	40.21	40.21	-1782.05	-0.53	6.310
17-6-P	40.21	40.21	-1782.10	-0.43	6.038
17-7-P	40.21	40.21	-1782.15	-0.34	5.806
17-8-P	40.21	40.21	-1782.20	-0.26	5.608
17-9-P	40.21	40.21	-1782.22	-0.21	5.433
17-10-P	40.21	40.21	-1782.20	-0.26	5.233
17-11-P	40.21	40.21	-1782.13	-0.38	5.086
17-12-P	40.21	40.21	-1782.04	-0.54	4.989
17-13-P	40.21	40.21	-1781.92	-0.76	4.938
17-14-P	40.21	40.21	-1781.77	-1.04	4.931
17-15-P	40.21	40.21	-1781.62	-1.31	4.968
17-16-P	40.21	40.21	-1781.48	-1.56	5.087
17-17-P	40.21	40.21	-1781.34	-1.82	5.221
17-18-P	40.21	40.21	-1781.18	-2.11	5.374
17-19-P	40.21	40.21	-1748.56	-61.18	5.178
17-20-P	40.21	64.34	-4238.28	-202.67	10.936
17-21-P	40.21	80.42	-5743.57	-256.36	12.565
17-22-P	40.21	80.42	-5771.63	-225.45	10.924
17-23-P	40.21	80.42	-5793.56	-201.30	9.673
17-24-P	40.21	56.30	-4096.87	-127.73	6.115
17-25-P	40.21	40.21	-2948.07	-83.41	3.979
17-26-P	40.21	40.21	-2952.87	-78.26	3.584
17-27-P	40.21	40.21	-2956.09	-74.79	3.238
17-28-P	40.21	40.21	-2958.92	-71.76	2.930
17-29-P	40.21	40.21	-2961.38	-69.12	2.658
17-30-P	40.21	40.21	-2963.56	-66.77	2.414
17-31-P	40.21	40.21	-2966.37	-63.76	2.184
17-32-P	40.21	40.21	-2969.47	-60.42	1.982
17-33-P	40.21	40.21	-2972.07	-57.64	1.813
17-34-P	40.21	40.21	-2974.42	-55.11	1.650
17-35-P	40.21	40.21	-2976.42	-52.95	1.504
17-36-P	40.21	40.21	-2977.92	-51.34	1.408
17-37-P	40.21	64.34	-4732.77	-78.43	2.116
17-38-P	40.21	64.34	-4738.65	-72.02	1.974
17-39-P	40.21	64.34	-4745.81	-64.22	1.854
17-40-P	40.21	80.42	-7681.81	-122.66	2.895
17-41-P	64.34	104.55	-12274.58	-219.48	4.480
17-42-P	64.34	128.68	8526.72	-52.75	5.711
17-43-P	64.34	128.68	8518.34	-57.67	4.939
17-44-P	64.34	112.59	8497.55	-64.78	4.298
17-45-P	64.34	88.47	8476.85	-67.14	3.784
17-46-P	64.34	64.34	8449.13	-68.00	3.292
17-47-P	64.34	64.34	8437.98	-74.77	2.821
17-48-P	64.34	64.34	8427.67	-81.04	2.441
17-49-P	64.34	64.34	8418.40	-86.66	2.137
17-50-P	64.34	64.34	8407.63	-93.21	1.849
17-51-P	64.34	64.34	8405.54	-94.47	1.551
17-52-P	64.34	64.34	8407.75	-93.13	1.310
17-53-P	64.34	64.34	8423.97	-83.28	1.075
17-54-P	88.47	88.47	11608.47	-93.87	1.195
17-55-P	88.47	88.47	11635.97	-77.17	1.081
17-56-P	88.47	88.47	11652.12	-67.37	1.143
17-57-P	88.47	64.34	11620.52	-58.22	1.265
17-58-P	64.34	64.34	8502.38	-35.67	1.072
17-59-P	64.34	64.34	8515.30	-27.82	1.330
17-60-P	64.34	64.34	8525.04	-21.91	1.528
17-61-P	64.34	64.34	8533.90	-16.52	1.759
17-62-P	64.34	64.34	8636.27	47.38	2.049
17-63-P	64.34	64.34	8641.22	50.50	1.892
17-64-P	64.34	64.34	8643.23	51.77	1.813
17-65-P	64.34	64.34	8647.36	54.37	1.751
17-66-P	64.34	88.47	8680.46	57.45	1.705
17-67-P	64.34	112.59	8705.38	60.68	1.700
17-68-P	64.34	128.68	8726.83	65.80	1.700
17-69-P	64.34	128.68	8739.91	73.61	1.711
17-70-P	64.34	104.55	7955.73	69.41	1.600
17-71-P	64.34	80.42	6402.75	52.78	1.333
17-72-P	64.34	64.34	4865.07	34.14	1.057
17-73-P	64.34	64.34	4869.14	38.62	1.129
17-74-P	64.34	64.34	4873.14	43.03	1.214
17-75-P	64.34	40.21	4845.68	46.11	1.288
17-76-P	64.34	40.21	4847.48	48.13	1.374
17-77-P	64.34	40.21	4848.97	49.81	1.488
17-78-P	40.21	40.21	3055.07	32.51	1.028
17-79-P	40.21	40.21	3056.21	33.77	1.122
17-80-P	40.21	40.21	3057.38	35.07	1.207
17-81-P	40.21	40.21	3058.66	36.49	1.300
17-82-P	40.21	40.21	3059.94	37.92	1.412
17-83-P	40.21	40.21	3061.23	39.34	1.549
17-84-P	40.21	40.21	3062.51	40.76	1.719
17-85-P	40.21	40.21	3064.54	43.01	1.889
17-86-P	40.21	40.21	3067.41	46.19	2.058

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
17-87-P	40.21	56.30	3080.17	50.17	2.269
17-88-P	40.21	80.42	3093.05	55.02	2.525
17-89-P	40.21	80.42	3098.46	60.88	2.836
17-90-P	40.21	80.42	3104.93	67.88	3.227
17-91-P	40.21	64.34	2842.32	64.49	3.402
17-92-P	40.21	40.21	1798.10	29.27	2.445
17-93-P	40.21	40.21	1799.72	32.27	2.776
17-94-P	40.21	40.21	1801.84	36.22	3.212
17-95-P	40.21	40.21	1804.76	41.64	3.811
17-96-P	40.21	40.21	1809.04	49.59	4.688
17-97-P	40.21	40.21	-1784.43	3.90	4.994
17-98-P	40.21	40.21	-1784.26	3.59	5.011
17-99-P	40.21	40.21	-1784.11	3.31	5.048
17-100-P	40.21	40.21	-1783.92	2.96	5.117
17-101-P	40.21	40.21	-1783.73	2.60	5.190
17-102-P	40.21	40.21	-1783.53	2.22	5.272
17-103-P	40.21	40.21	-1783.31	1.82	5.363
17-104-P	40.21	40.21	-1783.09	1.41	5.464
17-105-P	40.21	40.21	-1782.96	1.16	5.658
17-106-P	40.21	40.21	-1782.89	1.03	5.935
17-107-P	40.21	40.21	-1782.86	0.98	6.292
17-108-P	40.21	40.21	-1782.85	0.96	6.718
17-109-P	40.21	40.21	-1782.84	0.93	7.202
17-110-P	40.21	40.21	-1782.82	0.90	7.739
18-1-P	40.21	40.21	-1781.23	-1.89	7.219
18-2-P	40.21	40.21	-1781.33	-1.82	6.868
18-3-P	40.21	40.21	-1781.33	-1.83	6.612
18-4-P	40.21	40.21	-1781.29	-1.90	6.387
18-5-P	40.21	40.21	-1781.31	-1.87	6.123
18-6-P	40.21	40.21	-1781.37	-1.76	5.845
18-7-P	40.21	40.21	-1781.42	-1.66	5.588
18-8-P	40.21	40.21	-1781.45	-1.62	5.333
18-9-P	40.21	40.21	-1781.42	-1.66	5.095
18-10-P	40.21	40.21	-1781.33	-1.83	5.014
18-11-P	40.21	40.21	-1781.21	-2.05	5.031
18-12-P	40.21	40.21	-1781.07	-2.30	5.047
18-13-P	40.21	40.21	-1780.93	-2.55	5.063
18-14-P	40.21	40.21	-1780.79	-2.82	5.077
18-15-P	40.21	40.21	-1780.64	-3.09	5.099
18-16-P	40.21	40.21	-1780.39	-3.53	5.261
18-17-P	40.21	40.21	-1780.03	-4.19	5.506
18-18-P	40.21	40.21	-1753.16	-52.85	5.096
18-19-P	40.21	40.21	-1756.20	-47.34	4.530
18-20-P	40.21	40.21	-1996.11	-55.50	4.617
18-21-P	40.21	64.34	-4289.56	-141.77	8.727
18-22-P	40.21	80.42	-5813.55	-179.28	10.259
18-23-P	40.21	80.42	-5833.35	-157.47	9.065
18-24-P	40.21	80.42	-5847.82	-141.53	8.189
18-25-P	40.21	56.30	-4129.77	-92.03	5.321
18-26-P	40.21	40.21	-2967.45	-62.60	3.515
18-27-P	40.21	40.21	-2969.42	-60.48	3.236
18-28-P	40.21	40.21	-2970.59	-59.22	2.986
18-29-P	40.21	40.21	-2971.91	-57.80	2.767
18-30-P	40.21	40.21	-2974.20	-55.34	2.565
18-31-P	40.21	40.21	-2976.38	-53.01	2.367
18-32-P	40.21	40.21	-2978.36	-50.87	2.179
18-33-P	40.21	40.21	-2980.16	-48.94	2.003
18-34-P	40.21	40.21	-2981.42	-47.58	1.876
18-35-P	40.21	40.21	-2982.02	-46.94	1.818
18-36-P	40.21	40.21	-2982.78	-46.12	1.749
18-37-P	40.21	40.21	-2983.63	-45.21	1.676
18-38-P	40.21	40.21	-2984.36	-44.43	1.636
18-39-P	40.21	40.21	-2985.56	-43.14	1.600
18-40-P	40.21	40.21	-2988.16	-40.34	1.560
18-41-P	40.21	72.38	3017.62	-23.73	1.993
18-42-P	40.21	72.38	3452.22	-31.14	1.965
18-43-P	40.21	96.51	3997.39	-41.90	1.996
18-44-P	40.21	112.59	4428.43	-51.42	1.922
18-45-P	64.34	128.68	7745.77	-100.36	2.900
18-46-P	64.34	136.72	8250.15	-114.86	2.715
18-47-P	64.34	120.64	8409.23	-119.22	2.452
18-48-P	64.34	104.55	8406.67	-116.95	2.134
18-49-P	64.34	96.51	8403.58	-115.28	1.865
18-50-P	64.34	80.42	8395.76	-111.46	1.616
18-51-P	64.34	72.38	8398.74	-104.50	1.392
18-52-P	64.34	72.38	8424.18	-89.09	1.149
18-53-P	96.51	72.38	12615.15	-101.76	1.375
18-54-P	96.51	96.51	12696.07	-81.82	1.188
18-55-P	96.51	96.51	12718.98	-67.91	1.076
18-56-P	96.51	96.51	12723.48	-65.18	1.186
18-57-P	96.51	72.38	12678.20	-63.14	1.376
18-58-P	64.34	72.38	8503.75	-40.92	1.127
18-59-P	64.34	72.38	8505.71	-39.73	1.411
18-60-P	64.34	80.42	8516.01	-38.85	1.585
18-61-P	64.34	96.51	8532.51	-37.78	1.807
18-62-P	64.34	104.55	8540.77	-36.51	2.096
18-63-P	64.34	120.64	8668.35	33.59	2.323
18-64-P	64.34	136.72	8505.80	38.83	2.204
18-65-P	64.34	128.68	7964.32	40.10	2.006

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
18-66-P	64.34	112.59	7232.32	37.98	1.771
18-67-P	64.34	96.51	6501.59	35.37	1.577
18-68-P	64.34	72.38	5582.62	30.10	1.362
18-69-P	64.34	72.38	4864.36	25.71	1.194
18-70-P	64.34	40.21	4829.88	28.34	1.213
18-71-P	64.34	40.21	4832.18	30.92	1.261
18-72-P	64.34	40.21	4833.94	32.91	1.309
18-73-P	64.34	40.21	4835.03	34.13	1.361
18-74-P	64.34	40.21	4836.04	35.26	1.434
18-75-P	64.34	40.21	4837.22	36.59	1.513
18-76-P	40.21	40.21	3047.37	23.98	1.006
18-77-P	40.21	40.21	3048.22	24.92	1.064
18-78-P	40.21	40.21	3048.96	25.75	1.127
18-79-P	40.21	40.21	3049.73	26.60	1.203
18-80-P	40.21	40.21	3050.56	27.52	1.296
18-81-P	40.21	40.21	3051.53	28.59	1.406
18-82-P	40.21	40.21	3052.72	29.91	1.536
18-83-P	40.21	40.21	3054.38	31.76	1.669
18-84-P	40.21	40.21	3056.63	34.24	1.798
18-85-P	40.21	56.30	3068.27	37.13	1.951
18-86-P	40.21	80.42	3079.49	40.33	2.137
18-87-P	40.21	80.42	3082.74	43.85	2.358
18-88-P	40.21	80.42	3086.68	48.12	2.633
18-89-P	40.21	64.34	2826.09	45.24	2.720
18-90-P	40.21	40.21	2047.47	26.99	2.219
18-91-P	40.21	40.21	1794.75	23.05	2.183
18-92-P	40.21	40.21	1796.30	25.93	2.481
18-93-P	40.21	40.21	1797.99	29.06	2.848
18-94-P	40.21	40.21	1799.92	32.66	3.316
18-95-P	40.21	40.21	1802.24	36.96	3.917
18-96-P	40.21	40.21	1804.08	40.37	4.569
18-97-P	40.21	40.21	1805.56	43.12	5.311
18-98-P	40.21	40.21	-1783.76	2.66	5.380
18-99-P	40.21	40.21	-1783.55	2.27	5.400
18-100-P	40.21	40.21	-1783.37	1.93	5.427
18-101-P	40.21	40.21	-1783.19	1.59	5.454
18-102-P	40.21	40.21	-1782.98	1.19	5.485
18-103-P	40.21	40.21	-1782.74	0.74	5.516
18-104-P	40.21	40.21	-1782.46	0.22	5.546
18-105-P	40.21	40.21	-1782.35	0.01	5.640
18-106-P	40.21	40.21	-1782.34	-0.01	5.824
18-107-P	40.21	40.21	-1782.30	-0.07	6.070
18-108-P	40.21	40.21	-1782.24	-0.18	6.392
18-109-P	40.21	40.21	-1782.09	-0.34	6.874
19-1-P	40.21	40.21	-1778.12	-3.89	10.046
19-2-P	40.21	40.21	-1779.94	-4.34	6.924
19-3-P	40.21	40.21	-1779.92	-4.39	6.663
19-4-P	40.21	40.21	-1779.88	-4.46	6.412
19-5-P	40.21	40.21	-1779.83	-4.54	6.147
19-6-P	40.21	40.21	-1779.88	-4.46	5.804
19-7-P	40.21	40.21	-1779.95	-4.34	5.471
19-8-P	40.21	40.21	-1780.01	-4.23	5.173
19-9-P	40.21	40.21	-1780.06	-4.13	4.907
19-10-P	40.21	40.21	-1780.06	-4.14	4.746
19-11-P	40.21	40.21	-1779.89	-4.45	4.779
19-12-P	40.21	40.21	-1779.60	-4.97	4.883
19-13-P	40.21	40.21	-1779.20	-5.68	5.037
19-14-P	40.21	40.21	-1778.68	-6.63	5.251
19-15-P	40.21	40.21	-1778.08	-7.71	5.496
19-16-P	40.21	40.21	-1777.43	-8.90	5.794
19-17-P	40.21	40.21	-1758.01	-44.06	5.180
19-18-P	40.21	40.21	-1760.73	-39.14	4.541
19-19-P	40.21	40.21	-1762.83	-35.34	4.049
19-20-P	40.21	40.21	-1764.49	-32.33	3.660
19-21-P	40.21	48.25	-2687.26	-58.38	5.108
19-22-P	40.21	64.34	-4321.90	-103.38	7.518
19-23-P	40.21	80.42	-5851.48	-137.50	9.315
19-24-P	40.21	80.42	-5862.14	-125.76	8.576
19-25-P	40.21	72.38	-5296.70	-104.38	7.165
19-26-P	40.21	56.30	-4145.06	-75.44	5.213
19-27-P	40.21	40.21	-2978.40	-50.83	3.511
19-28-P	40.21	40.21	-2980.54	-48.53	3.317
19-29-P	40.21	40.21	-2982.41	-46.53	3.110
19-30-P	40.21	40.21	-2983.93	-44.89	2.899
19-31-P	40.21	40.21	-2985.14	-43.59	2.703
19-32-P	40.21	40.21	-2986.18	-42.48	2.532
19-33-P	40.21	40.21	-2986.94	-41.66	2.446
19-34-P	40.21	40.21	-2987.58	-40.97	2.404
19-35-P	40.21	40.21	-2988.27	-40.23	2.354
19-36-P	40.21	40.21	-2988.97	-39.48	2.294
19-37-P	40.21	40.21	-2989.57	-38.83	2.240
19-38-P	40.21	40.21	-2990.20	-38.16	2.198
19-39-P	40.21	40.21	2999.94	-27.55	2.008
19-40-P	40.21	40.21	3000.96	-26.46	1.737
19-41-P	40.21	40.21	3001.65	-25.72	1.533
19-42-P	40.21	40.21	3002.11	-25.23	1.371
19-43-P	40.21	40.21	3003.06	-24.22	1.196
19-44-P	40.21	40.21	3004.06	-23.15	1.043
19-45-P	56.30	40.21	4185.72	-31.16	1.289

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
19-46-P	56.30	40.21	4490.03	-34.58	1.231
19-47-P	56.30	40.21	4794.52	-37.48	1.166
19-48-P	56.30	48.25	5108.13	-40.82	1.119
19-49-P	56.30	48.25	5412.01	-43.92	1.067
19-50-P	72.38	56.30	7142.44	-55.01	1.258
19-51-P	72.38	56.30	7341.32	-53.78	1.180
19-52-P	72.38	48.25	7526.11	-52.56	1.122
19-53-P	72.38	48.25	7533.32	-46.98	1.060
19-54-P	72.38	40.21	7519.86	-44.66	1.044
19-55-P	72.38	48.25	7537.57	-43.70	1.055
19-56-P	72.38	48.25	7538.61	-42.90	1.129
19-57-P	72.38	56.30	7357.86	-40.71	1.203
19-58-P	56.30	56.30	5591.11	-30.56	1.006
19-59-P	56.30	48.25	5429.81	-29.11	1.079
19-60-P	56.30	48.25	5125.49	-25.52	1.118
19-61-P	56.30	40.21	4810.96	-21.99	1.165
19-62-P	56.30	40.21	4505.89	-18.62	1.228
19-63-P	56.30	40.21	4200.37	-15.35	1.289
19-64-P	56.30	40.21	4227.32	14.25	1.330
19-65-P	56.30	40.21	4228.75	15.86	1.293
19-66-P	56.30	40.21	4229.99	17.24	1.284
19-67-P	56.30	40.21	4230.92	18.28	1.294
19-68-P	56.30	40.21	4231.50	18.92	1.303
19-69-P	56.30	40.21	4232.10	19.60	1.310
19-70-P	56.30	40.21	4232.75	20.32	1.346
19-71-P	56.30	40.21	4233.42	21.08	1.386
19-72-P	40.21	40.21	3039.86	15.67	1.021
19-73-P	40.21	40.21	3040.37	16.23	1.050
19-74-P	40.21	40.21	3040.91	16.82	1.089
19-75-P	40.21	40.21	3041.47	17.45	1.141
19-76-P	40.21	40.21	3042.08	18.12	1.200
19-77-P	40.21	40.21	3042.75	18.87	1.265
19-78-P	40.21	40.21	3043.51	19.70	1.338
19-79-P	40.21	40.21	3044.34	20.63	1.421
19-80-P	40.21	40.21	3045.33	21.72	1.519
19-81-P	40.21	40.21	3046.72	23.27	1.623
19-82-P	40.21	56.30	3057.40	25.22	1.746
19-83-P	40.21	72.38	3065.38	27.46	1.887
19-84-P	40.21	80.42	3069.98	30.04	2.049
19-85-P	40.21	80.42	3072.78	33.07	2.239
19-86-P	40.21	64.34	2814.18	31.12	2.254
19-87-P	40.21	48.25	2299.45	23.30	2.028
19-88-P	40.21	40.21	1790.66	15.45	1.738
19-89-P	40.21	40.21	1791.48	16.97	1.927
19-90-P	40.21	40.21	1792.50	18.87	2.163
19-91-P	40.21	40.21	1793.81	21.30	2.463
19-92-P	40.21	40.21	1795.25	23.98	2.826
19-93-P	40.21	40.21	1796.30	25.92	3.199
19-94-P	40.21	40.21	1796.60	26.48	3.557
19-95-P	40.21	40.21	1796.79	26.83	3.987
19-96-P	40.21	40.21	1796.77	26.79	4.455
19-97-P	40.21	40.21	1796.31	25.95	4.898
19-98-P	40.21	40.21	1795.58	24.60	5.350
19-99-P	40.21	40.21	-1782.18	-0.29	5.673
19-100-P	40.21	40.21	-1781.94	-0.73	5.716
19-101-P	40.21	40.21	-1781.64	-1.27	5.759
19-102-P	40.21	40.21	-1781.33	-1.83	5.801
19-103-P	40.21	40.21	-1781.06	-2.33	5.852
19-104-P	40.21	40.21	-1780.96	-2.50	5.964
19-105-P	40.21	40.21	-1780.92	-2.57	6.121
19-106-P	40.21	40.21	-1780.86	-2.69	6.304
19-107-P	24.13	24.13	-1069.55	-1.37	5.383
20-1-P	40.21	40.21	-1776.10	-6.58	11.237
20-2-P	40.21	40.21	-1778.22	-7.46	6.690
20-3-P	40.21	40.21	-1778.20	-7.50	6.365
20-4-P	40.21	40.21	-1778.18	-7.54	6.072
20-5-P	40.21	40.21	-1778.14	-7.61	5.795
20-6-P	40.21	40.21	-1778.10	-7.68	5.523
20-7-P	40.21	40.21	-1778.04	-7.78	5.296
20-8-P	40.21	40.21	-1777.96	-7.94	5.106
20-9-P	40.21	40.21	-1777.84	-8.15	4.946
20-10-P	40.21	40.21	-1777.37	-9.01	5.053
20-11-P	40.21	40.21	-1776.86	-9.93	5.176
20-12-P	40.21	40.21	-1776.30	-10.93	5.319
20-13-P	40.21	40.21	-1775.70	-12.02	5.480
20-14-P	40.21	40.21	-1775.06	-13.19	5.661
20-15-P	40.21	40.21	-1774.33	-14.51	5.877
20-16-P	40.21	40.21	-1762.69	-35.59	5.494
20-17-P	40.21	40.21	-1764.55	-32.21	4.874
20-18-P	40.21	40.21	-1765.97	-29.64	4.430
20-19-P	40.21	40.21	-1767.08	-27.64	4.087
20-20-P	40.21	40.21	-1768.03	-25.91	3.789
20-21-P	40.21	40.21	-1768.87	-24.40	3.531
20-22-P	40.21	48.25	-2408.03	-35.86	4.478
20-23-P	40.21	64.34	-3961.62	-67.44	6.796
20-24-P	40.21	72.38	-5303.72	-96.68	8.367
20-25-P	40.21	80.42	-5886.09	-99.38	8.753
20-26-P	40.21	72.38	-5315.55	-83.72	7.530
20-27-P	40.21	56.30	-4158.26	-61.12	5.617

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
20-28-P	40.21	48.25	-3576.13	-49.10	4.612
20-29-P	40.21	40.21	-2989.97	-38.40	3.688
20-30-P	40.21	40.21	-2992.00	-36.22	3.503
20-31-P	40.21	40.21	-2993.57	-34.54	3.308
20-32-P	40.21	40.21	-2994.66	-33.37	3.257
20-33-P	40.21	40.21	-2995.04	-32.95	3.243
20-34-P	40.21	40.21	2988.97	-39.27	2.880
20-35-P	40.21	40.21	2991.71	-36.35	2.511
20-36-P	40.21	40.21	2993.83	-34.08	2.226
20-37-P	40.21	40.21	2995.54	-32.25	1.994
20-38-P	40.21	40.21	2997.48	-30.18	1.740
20-39-P	40.21	40.21	2999.15	-28.40	1.531
20-40-P	40.21	40.21	3000.47	-26.99	1.370
20-41-P	40.21	40.21	3001.48	-25.90	1.243
20-42-P	40.21	40.21	3002.65	-24.65	1.123
20-43-P	40.21	40.21	3003.99	-23.22	1.002
20-44-P	56.30	40.21	4186.26	-30.58	1.252
20-45-P	56.30	40.21	4187.57	-29.17	1.141
20-46-P	56.30	40.21	4188.92	-27.71	1.055
20-47-P	72.38	40.21	5360.88	-33.87	1.256
20-48-P	72.38	40.21	5362.10	-32.54	1.177
20-49-P	72.38	40.21	5363.29	-31.24	1.115
20-50-P	72.38	40.21	5364.61	-29.80	1.065
20-51-P	72.38	40.21	5365.57	-28.75	1.031
20-52-P	72.38	40.21	5366.17	-28.10	1.011
20-53-P	72.38	40.21	5366.34	-27.91	1.015
20-54-P	72.38	40.21	5366.23	-28.04	1.037
20-55-P	72.38	40.21	5365.96	-28.33	1.072
20-56-P	72.38	40.21	5365.60	-28.72	1.123
20-57-P	72.38	40.21	5365.26	-29.09	1.186
20-58-P	72.38	40.21	5364.96	-29.42	1.264
20-59-P	56.30	40.21	4193.08	-23.22	1.065
20-60-P	56.30	40.21	4193.02	-23.29	1.160
20-61-P	56.30	40.21	4192.98	-23.33	1.269
20-62-P	40.21	40.21	3010.00	-16.80	1.007
20-63-P	40.21	40.21	3009.91	-16.89	1.124
20-64-P	40.21	40.21	3032.87	7.92	1.150
20-65-P	40.21	40.21	3033.23	8.32	1.155
20-66-P	40.21	40.21	3033.61	8.73	1.158
20-67-P	40.21	40.21	3033.99	9.16	1.160
20-68-P	40.21	40.21	3034.38	9.59	1.162
20-69-P	40.21	40.21	3034.76	10.01	1.173
20-70-P	40.21	40.21	3035.13	10.42	1.204
20-71-P	40.21	40.21	3035.52	10.85	1.236
20-72-P	40.21	40.21	3035.90	11.27	1.268
20-73-P	40.21	40.21	3036.29	11.71	1.301
20-74-P	40.21	40.21	3036.71	12.18	1.342
20-75-P	40.21	40.21	3037.26	12.78	1.410
20-76-P	40.21	40.21	3038.06	13.66	1.489
20-77-P	40.21	48.25	3044.03	14.89	1.569
20-78-P	40.21	56.30	3049.29	16.33	1.655
20-79-P	40.21	72.38	3056.63	17.95	1.751
20-80-P	40.21	80.42	3060.45	19.72	1.859
20-81-P	40.21	72.38	3060.04	21.65	1.994
20-82-P	40.21	64.34	2551.38	16.96	1.803
20-83-P	40.21	48.25	2041.77	12.02	1.566
20-84-P	40.21	40.21	1787.74	10.03	1.484
20-85-P	40.21	40.21	1788.29	11.05	1.614
20-86-P	40.21	40.21	1788.94	12.26	1.769
20-87-P	40.21	40.21	1789.70	13.66	1.960
20-88-P	40.21	40.21	1790.42	15.01	2.191
20-89-P	40.21	40.21	1790.89	15.87	2.426
20-90-P	40.21	40.21	1791.02	16.13	2.651
20-91-P	40.21	40.21	1791.10	16.27	2.904
20-92-P	40.21	40.21	1791.14	16.34	3.191
20-93-P	40.21	40.21	1791.01	16.11	3.497
20-94-P	40.21	40.21	1790.43	15.03	3.798
20-95-P	40.21	40.21	1789.58	13.44	4.094
20-96-P	40.21	40.21	1788.65	11.72	4.382
20-97-P	40.21	40.21	1787.61	9.79	4.691
20-98-P	40.21	40.21	1786.41	7.56	5.044
20-99-P	40.21	40.21	1785.00	4.94	5.442
20-100-P	40.21	40.21	1783.70	2.52	5.775
20-101-P	40.21	40.21	1782.86	0.97	6.093
20-102-P	40.21	40.21	1782.08	-0.46	6.438
20-103-P	40.21	40.21	-1778.57	-6.84	6.750
20-104-P	24.13	24.13	-1067.55	-3.55	6.646
21-1-P	32.17	32.17	-1419.11	-8.75	10.721
21-2-P	32.17	32.17	-1421.66	-9.82	5.726
21-3-P	40.21	40.21	-1775.28	-12.79	6.525
21-4-P	40.21	40.21	-1775.08	-13.15	6.251
21-5-P	40.21	40.21	-1774.90	-13.48	5.997
21-6-P	40.21	40.21	-1774.75	-13.75	5.761
21-7-P	40.21	40.21	-1774.61	-14.00	5.563
21-8-P	40.21	40.21	-1774.18	-14.78	5.565
21-9-P	40.21	40.21	-1773.52	-15.97	5.712
21-10-P	40.21	40.21	-1772.81	-17.25	5.869
21-11-P	40.21	40.21	-1772.03	-18.68	6.050
21-12-P	40.21	40.21	-1771.18	-20.20	6.245

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
21-13-P	40.21	40.21	-1770.27	-21.86	6.458
21-14-P	40.21	40.21	-1769.30	-23.61	6.680
21-15-P	40.21	40.21	-1767.68	-26.55	6.360
21-16-P	40.21	40.21	-1767.70	-26.51	5.873
21-17-P	40.21	40.21	-1768.10	-25.79	5.394
21-18-P	40.21	40.21	-1768.76	-24.60	4.939
21-19-P	40.21	40.21	-1769.62	-23.03	4.515
21-20-P	40.21	40.21	-1770.54	-21.36	4.135
21-21-P	40.21	40.21	-1771.32	-19.95	3.814
21-22-P	40.21	40.21	-1771.93	-18.86	3.634
21-23-P	40.21	40.21	-2016.24	-23.44	4.007
21-24-P	40.21	56.30	-3147.37	-38.59	6.006
21-25-P	40.21	64.34	2466.75	-90.35	6.187
21-26-P	40.21	72.38	2707.26	-95.30	5.938
21-27-P	40.21	80.42	2946.25	-100.13	5.728
21-28-P	40.21	72.38	2954.20	-90.61	5.144
21-29-P	40.21	56.30	2959.48	-79.43	4.608
21-30-P	40.21	48.25	2975.01	-59.06	4.001
21-31-P	40.21	40.21	2974.16	-55.10	3.511
21-32-P	40.21	40.21	2978.01	-50.99	3.072
21-33-P	40.21	40.21	2982.10	-46.62	2.670
21-34-P	40.21	40.21	2985.89	-42.57	2.325
21-35-P	40.21	40.21	2988.94	-39.31	2.058
21-36-P	40.21	40.21	2991.43	-36.65	1.844
21-37-P	40.21	40.21	2993.59	-34.33	1.662
21-38-P	40.21	40.21	2995.66	-32.12	1.491
21-39-P	40.21	40.21	2997.41	-30.25	1.347
21-40-P	40.21	40.21	2998.82	-28.75	1.230
21-41-P	40.21	40.21	2999.92	-27.58	1.140
21-42-P	40.21	40.21	3000.88	-26.55	1.064
21-43-P	56.30	40.21	4181.67	-35.54	1.387
21-44-P	56.30	40.21	4183.06	-34.03	1.296
21-45-P	56.30	40.21	4184.36	-32.62	1.212
21-46-P	56.30	40.21	4185.51	-31.39	1.139
21-47-P	56.30	40.21	4186.42	-30.40	1.081
21-48-P	56.30	40.21	4186.80	-30.00	1.057
21-49-P	56.30	40.21	4187.00	-29.78	1.047
21-50-P	56.30	40.21	4187.23	-29.53	1.038
21-51-P	56.30	40.21	4187.48	-29.26	1.029
21-52-P	56.30	40.21	4187.76	-28.96	1.021
21-53-P	56.30	40.21	4187.82	-28.89	1.030
21-54-P	56.30	40.21	4187.50	-29.24	1.067
21-55-P	56.30	40.21	4187.13	-29.64	1.108
21-56-P	56.30	40.21	4186.73	-30.07	1.154
21-57-P	56.30	40.21	4186.27	-30.57	1.206
21-58-P	56.30	40.21	4185.77	-31.10	1.280
21-59-P	56.30	40.21	4185.25	-31.67	1.375
21-60-P	40.21	40.21	3004.07	-23.14	1.059
21-61-P	40.21	40.21	3003.65	-23.59	1.142
21-62-P	40.21	40.21	3003.15	-24.12	1.240
21-63-P	40.21	40.21	3002.53	-24.78	1.360
21-64-P	40.21	40.21	3030.13	4.88	1.399
21-65-P	40.21	40.21	3030.42	5.21	1.404
21-66-P	40.21	40.21	3030.62	5.43	1.408
21-67-P	40.21	40.21	3030.73	5.55	1.412
21-68-P	40.21	40.21	3030.83	5.65	1.415
21-69-P	40.21	40.21	3030.98	5.82	1.426
21-70-P	40.21	40.21	3031.28	6.16	1.460
21-71-P	40.21	40.21	3031.80	6.74	1.505
21-72-P	40.21	48.25	3037.39	7.57	1.555
21-73-P	40.21	56.30	3042.26	8.63	1.609
21-74-P	40.21	72.38	3049.11	9.78	1.671
21-75-P	40.21	80.42	3052.37	10.97	1.759
21-76-P	40.21	72.38	2799.17	10.49	1.707
21-77-P	40.21	64.34	2545.83	9.74	1.641
21-78-P	40.21	56.30	2292.42	8.75	1.560
21-79-P	40.21	40.21	2035.57	7.53	1.459
21-80-P	40.21	40.21	1785.67	6.19	1.345
21-81-P	40.21	40.21	1785.98	6.75	1.437
21-82-P	40.21	40.21	1786.35	7.44	1.556
21-83-P	40.21	40.21	1786.79	8.26	1.697
21-84-P	40.21	40.21	1787.25	9.11	1.857
21-85-P	40.21	40.21	1787.55	9.68	2.016
21-86-P	40.21	40.21	1787.64	9.85	2.163
21-87-P	40.21	40.21	1787.57	9.72	2.314
21-88-P	40.21	40.21	1787.35	9.30	2.490
21-89-P	40.21	40.21	1787.05	8.76	2.690
21-90-P	40.21	40.21	1786.70	8.10	2.918
21-91-P	40.21	40.21	1786.24	7.24	3.143
21-92-P	40.21	40.21	1785.66	6.17	3.349
21-93-P	40.21	40.21	1784.97	4.89	3.531
21-94-P	40.21	40.21	1784.13	3.32	3.723
21-95-P	40.21	40.21	1783.16	1.51	3.943
21-96-P	40.21	40.21	1782.02	-0.57	4.198
21-97-P	40.21	40.21	1780.91	-2.58	4.480
21-98-P	40.21	40.21	1780.23	-3.80	4.734
21-99-P	40.21	40.21	1779.65	-4.84	4.992
21-100-P	32.17	32.17	1424.47	-4.71	4.443
21-101-P	16.08	16.08	712.57	-2.43	4.411

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
22-1-P	32.17	32.17	-1415.86	-13.90	12.898
22-2-P	32.17	32.17	-1417.76	-15.01	6.254
22-3-P	40.21	40.21	-1771.22	-20.14	6.365
22-4-P	40.21	40.21	-1770.54	-21.37	6.400
22-5-P	40.21	40.21	-1769.62	-23.04	6.538
22-6-P	40.21	40.21	-1768.66	-24.77	6.681
22-7-P	40.21	40.21	-1767.74	-26.44	6.835
22-8-P	40.21	40.21	-1766.90	-27.96	6.970
22-9-P	40.21	40.21	-1766.07	-29.46	7.088
22-10-P	40.21	40.21	-1765.23	-30.98	7.201
22-11-P	40.21	40.21	-1764.35	-32.58	7.320
22-12-P	40.21	40.21	-1763.07	-34.90	7.537
22-13-P	40.21	40.21	-1760.72	-39.15	8.025
22-14-P	40.21	40.21	-1774.66	-13.91	7.288
22-15-P	40.21	40.21	-1774.02	-15.07	6.630
22-16-P	40.21	40.21	-1773.49	-16.03	6.076
22-17-P	40.21	40.21	-1773.05	-16.83	5.604
22-18-P	40.21	40.21	-1772.82	-17.24	5.187
22-19-P	40.21	40.21	-1772.93	-17.04	4.958
22-20-P	40.21	40.21	-1773.25	-16.47	4.768
22-21-P	40.21	40.21	-1773.75	-15.56	4.566
22-22-P	40.21	40.21	-1774.39	-14.41	4.359
22-23-P	40.21	40.21	1765.20	-30.87	4.041
22-24-P	40.21	40.21	1767.08	-27.50	3.610
22-25-P	40.21	48.25	2013.97	-32.18	3.688
22-26-P	40.21	48.25	2253.22	-42.47	3.595
22-27-P	40.21	56.30	2498.27	-47.39	3.445
22-28-P	40.21	64.34	2503.53	-43.93	3.040
22-29-P	40.21	72.38	2747.15	-49.51	2.978
22-30-P	40.21	72.38	2987.55	-55.44	2.925
22-31-P	40.21	64.34	2988.35	-52.00	2.626
22-32-P	40.21	56.30	2989.66	-47.43	2.293
22-33-P	40.21	48.25	2989.21	-43.95	2.039
22-34-P	40.21	40.21	2987.11	-41.26	1.843
22-35-P	40.21	40.21	2989.04	-39.19	1.690
22-36-P	40.21	40.21	2990.64	-37.49	1.562
22-37-P	40.21	40.21	2992.23	-35.79	1.449
22-38-P	40.21	40.21	2993.64	-34.29	1.354
22-39-P	40.21	40.21	2994.87	-32.97	1.270
22-40-P	40.21	40.21	2995.96	-31.81	1.196
22-41-P	40.21	40.21	2996.93	-30.77	1.131
22-42-P	40.21	40.21	2997.82	-29.81	1.071
22-43-P	40.21	40.21	2998.75	-28.82	1.014
22-44-P	48.25	40.21	3590.10	-33.84	1.176
22-45-P	48.25	40.21	3590.35	-33.57	1.160
22-46-P	48.25	40.21	3590.61	-33.29	1.143
22-47-P	48.25	40.21	3590.93	-32.94	1.125
22-48-P	48.25	40.21	3591.26	-32.59	1.106
22-49-P	48.25	40.21	3591.59	-32.25	1.089
22-50-P	48.25	40.21	3591.51	-32.32	1.100
22-51-P	48.25	40.21	3591.28	-32.58	1.124
22-52-P	48.25	40.21	3591.00	-32.88	1.152
22-53-P	48.25	40.21	3590.67	-33.23	1.184
22-54-P	40.21	40.21	2999.47	-28.06	1.018
22-55-P	40.21	40.21	2998.99	-28.57	1.065
22-56-P	40.21	40.21	2998.37	-29.23	1.130
22-57-P	40.21	40.21	2997.70	-29.95	1.202
22-58-P	40.21	40.21	2997.00	-30.69	1.280
22-59-P	40.21	40.21	2996.24	-31.51	1.368
22-60-P	40.21	40.21	2995.44	-32.36	1.464
22-61-P	40.21	40.21	2994.60	-33.26	1.568
22-62-P	40.21	40.21	2993.61	-34.32	1.687
22-63-P	40.21	40.21	3028.06	2.58	1.700
22-64-P	40.21	48.25	3033.15	2.91	1.704
22-65-P	40.21	56.30	3037.34	3.24	1.708
22-66-P	40.21	64.34	3040.81	3.57	1.711
22-67-P	40.21	72.38	3043.91	4.13	1.743
22-68-P	40.21	72.38	2793.84	4.20	1.656
22-69-P	40.21	64.34	2541.46	4.07	1.557
22-70-P	40.21	56.30	2539.25	4.63	1.606
22-71-P	40.21	48.25	2286.30	4.21	1.491
22-72-P	40.21	48.25	2036.66	3.71	1.369
22-73-P	40.21	40.21	1783.97	3.03	1.253
22-74-P	40.21	40.21	1784.10	3.27	1.310
22-75-P	40.21	40.21	1784.25	3.54	1.373
22-76-P	40.21	40.21	1784.41	3.85	1.442
22-77-P	40.21	40.21	1784.60	4.21	1.519
22-78-P	40.21	40.21	1784.80	4.57	1.602
22-79-P	40.21	40.21	1784.97	4.89	1.718
22-80-P	40.21	40.21	1785.00	4.93	1.839
22-81-P	40.21	40.21	1784.86	4.69	1.953
22-82-P	40.21	40.21	1784.70	4.38	2.077
22-83-P	40.21	40.21	1784.50	4.02	2.215
22-84-P	40.21	40.21	1784.28	3.60	2.370
22-85-P	40.21	40.21	1784.01	3.10	2.541
22-86-P	40.21	40.21	1783.52	2.20	2.710
22-87-P	40.21	40.21	1782.89	1.01	2.854
22-88-P	40.21	40.21	1782.17	-0.31	2.994
22-89-P	40.21	40.21	1781.36	-1.77	3.146

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
22-90-P	40.21	40.21	1780.50	-3.32	3.307
22-91-P	40.21	40.21	1779.76	-4.66	3.456
22-92-P	40.21	40.21	1779.13	-5.79	3.625
22-93-P	40.21	40.21	1778.63	-6.69	3.805
22-94-P	40.21	40.21	1778.13	-7.58	4.004
22-95-P	32.17	32.17	1422.41	-6.55	4.130
22-96-P	16.08	16.08	711.20	-3.37	4.378
23-1-P	24.13	24.13	-1058.31	-17.02	12.868
23-2-P	24.13	24.13	-1059.18	-19.56	6.785
23-3-P	40.21	40.21	-1761.89	-36.84	8.074
23-4-P	40.21	40.21	-1760.80	-39.00	8.085
23-5-P	40.21	40.21	-1759.73	-40.95	8.163
23-6-P	40.21	40.21	-1758.75	-42.72	8.214
23-7-P	40.21	40.21	-1757.91	-44.25	8.234
23-8-P	40.21	40.21	-1757.20	-45.53	8.221
23-9-P	40.21	40.21	-1755.84	-48.00	8.355
23-10-P	40.21	40.21	-1754.08	-51.19	8.567
23-11-P	40.21	40.21	-1752.33	-54.36	8.759
23-12-P	40.21	40.21	1775.59	-12.15	8.524
23-13-P	40.21	40.21	1773.60	-15.74	7.894
23-14-P	40.21	40.21	1771.78	-19.03	7.340
23-15-P	40.21	40.21	1770.45	-21.42	6.796
23-16-P	40.21	40.21	1770.39	-21.52	6.177
23-17-P	40.21	40.21	1770.42	-21.48	5.637
23-18-P	40.21	40.21	1770.57	-21.20	5.125
23-19-P	40.21	40.21	1770.84	-20.71	4.641
23-20-P	40.21	40.21	1771.26	-19.97	4.203
23-21-P	40.21	40.21	1771.84	-18.92	3.807
23-22-P	40.21	40.21	1772.68	-17.41	3.443
23-23-P	40.21	40.21	1765.45	-30.43	2.999
23-24-P	40.21	40.21	1767.05	-27.55	2.596
23-25-P	40.21	40.21	1768.29	-25.32	2.286
23-26-P	40.21	40.21	1769.26	-23.56	2.042
23-27-P	40.21	40.21	1770.04	-22.16	1.846
23-28-P	40.21	40.21	2013.91	-27.01	1.917
23-29-P	40.21	48.25	2018.22	-25.47	1.743
23-30-P	40.21	48.25	2262.06	-30.02	1.779
23-31-P	40.21	56.30	2266.03	-28.51	1.634
23-32-P	40.21	56.30	2509.45	-33.24	1.669
23-33-P	40.21	56.30	2510.57	-31.82	1.548
23-34-P	40.21	56.30	2753.22	-36.73	1.581
23-35-P	40.21	56.30	2754.52	-35.23	1.475
23-36-P	40.21	56.30	2996.79	-39.87	1.499
23-37-P	40.21	48.25	2994.42	-38.41	1.415
23-38-P	40.21	56.30	2999.15	-37.36	1.352
23-39-P	40.21	48.25	2996.23	-36.48	1.300
23-40-P	40.21	48.25	2996.90	-35.77	1.256
23-41-P	40.21	48.25	2997.53	-35.10	1.215
23-42-P	40.21	40.21	2993.30	-34.65	1.185
23-43-P	40.21	40.21	2993.38	-34.56	1.170
23-44-P	40.21	40.21	2993.45	-34.48	1.157
23-45-P	40.21	40.21	2993.51	-34.42	1.148
23-46-P	40.21	40.21	2993.60	-34.33	1.141
23-47-P	40.21	40.21	2993.59	-34.34	1.144
23-48-P	40.21	40.21	2993.53	-34.40	1.155
23-49-P	40.21	40.21	2993.47	-34.46	1.171
23-50-P	40.21	40.21	2993.41	-34.53	1.190
23-51-P	40.21	48.25	2997.81	-34.80	1.218
23-52-P	40.21	48.25	2997.34	-35.30	1.256
23-53-P	40.21	48.25	2996.81	-35.86	1.299
23-54-P	40.21	56.30	2999.89	-36.58	1.353
23-55-P	40.21	48.25	2995.41	-37.35	1.416
23-56-P	40.21	56.30	2998.18	-38.39	1.499
23-57-P	40.21	56.30	2756.10	-33.40	1.470
23-58-P	40.21	56.30	2755.11	-34.54	1.576
23-59-P	40.21	56.30	2512.19	-29.77	1.546
23-60-P	40.21	56.30	2511.24	-30.98	1.671
23-61-P	40.21	56.30	2287.04	0.98	1.565
23-62-P	40.21	48.25	2284.20	1.16	1.556
23-63-P	40.21	48.25	2035.02	1.04	1.381
23-64-P	40.21	40.21	2031.70	1.21	1.403
23-65-P	40.21	40.21	1782.89	1.03	1.263
23-66-P	40.21	40.21	1782.97	1.18	1.295
23-67-P	40.21	40.21	1783.06	1.34	1.330
23-68-P	40.21	40.21	1783.16	1.52	1.367
23-69-P	40.21	40.21	1783.26	1.71	1.407
23-70-P	40.21	40.21	1783.31	1.81	1.468
23-71-P	40.21	40.21	1783.34	1.85	1.530
23-72-P	40.21	40.21	1783.33	1.85	1.593
23-73-P	40.21	40.21	1783.30	1.78	1.654
23-74-P	40.21	40.21	1783.23	1.65	1.713
23-75-P	40.21	40.21	1783.11	1.44	1.770
23-76-P	40.21	40.21	1782.93	1.09	1.833
23-77-P	40.21	40.21	1782.70	0.67	1.904
23-78-P	40.21	40.21	1782.45	0.20	1.991
23-79-P	40.21	40.21	1782.15	-0.35	2.103
23-80-P	40.21	40.21	1781.78	-1.00	2.244
23-81-P	40.21	40.21	1781.37	-1.75	2.405
23-82-P	40.21	40.21	1780.86	-2.66	2.554

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
23-83-P	40.21	40.21	1780.28	-3.72	2.686
23-84-P	40.21	40.21	1779.68	-4.79	2.828
23-85-P	40.21	40.21	1779.01	-6.00	2.978
23-86-P	40.21	40.21	1778.33	-7.22	3.110
23-87-P	40.21	40.21	1777.86	-8.07	3.217
23-88-P	40.21	40.21	1777.51	-8.71	3.314
23-89-P	40.21	40.21	1777.03	-9.37	3.468
23-90-P	24.13	24.13	1066.76	-5.80	3.200
23-91-P	8.04	8.04	356.41	-1.99	2.251
24-1-P	16.08	16.08	-701.03	-19.94	13.244
24-2-P	16.08	16.08	-702.00	-21.93	6.870
24-3-P	32.17	32.17	-1399.82	-47.54	9.396
24-4-P	40.21	40.21	-1747.43	-63.23	9.828
24-5-P	40.21	40.21	1797.99	29.06	9.678
24-6-P	40.21	40.21	1796.60	26.49	9.356
24-7-P	40.21	40.21	1794.59	22.75	8.894
24-8-P	40.21	40.21	1791.95	17.86	8.268
24-9-P	40.21	40.21	1789.32	12.97	7.540
24-10-P	40.21	40.21	1787.04	8.73	6.856
24-11-P	40.21	40.21	1785.19	5.29	6.239
24-12-P	40.21	40.21	1755.50	-48.35	5.648
24-13-P	40.21	40.21	1757.07	-45.53	5.143
24-14-P	40.21	40.21	1758.44	-43.05	4.703
24-15-P	40.21	40.21	1759.66	-40.86	4.316
24-16-P	40.21	40.21	1760.75	-38.90	3.973
24-17-P	40.21	40.21	1761.72	-37.14	3.667
24-18-P	40.21	40.21	1762.62	-35.53	3.391
24-19-P	40.21	40.21	1763.49	-33.96	3.127
24-20-P	40.21	40.21	1764.32	-32.46	2.887
24-21-P	40.21	40.21	1765.18	-30.92	2.659
24-22-P	40.21	40.21	1766.13	-29.21	2.429
24-23-P	40.21	40.21	1767.07	-27.51	2.214
24-24-P	40.21	40.21	1767.94	-25.95	2.019
24-25-P	40.21	40.21	1768.73	-24.52	1.846
24-26-P	40.21	40.21	1769.55	-23.05	1.682
24-27-P	40.21	40.21	1770.31	-21.67	1.536
24-28-P	40.21	40.21	1770.94	-20.54	1.417
24-29-P	40.21	40.21	1771.44	-19.63	1.319
24-30-P	40.21	40.21	1771.87	-18.86	1.237
24-31-P	40.21	40.21	1772.23	-18.21	1.167
24-32-P	40.21	40.21	1772.54	-17.66	1.107
24-33-P	40.21	40.21	1772.81	-17.17	1.054
24-34-P	40.21	40.21	1773.05	-16.73	1.012
24-35-P	48.25	40.21	2121.99	-19.54	1.166
24-36-P	48.25	40.21	2122.24	-19.09	1.123
24-37-P	48.25	40.21	2415.29	-24.10	1.236
24-38-P	48.25	40.21	2415.56	-23.68	1.200
24-39-P	48.25	48.25	2420.72	-23.38	1.172
24-40-P	48.25	48.25	2420.83	-23.20	1.154
24-41-P	48.25	48.25	2420.86	-23.16	1.151
24-42-P	48.25	48.25	2420.87	-23.14	1.151
24-43-P	48.25	40.21	2415.93	-23.08	1.148
24-44-P	48.25	48.25	2420.89	-23.11	1.150
24-45-P	48.25	48.25	2420.89	-23.10	1.151
24-46-P	48.25	48.25	2420.87	-23.15	1.156
24-47-P	48.25	48.25	2420.80	-23.26	1.171
24-48-P	48.25	40.21	2415.68	-23.49	1.197
24-49-P	48.25	40.21	2415.43	-23.88	1.235
24-50-P	48.25	40.21	2122.34	-18.91	1.125
24-51-P	48.25	40.21	2122.12	-19.29	1.168
24-52-P	40.21	40.21	1773.20	-16.47	1.014
24-53-P	40.21	40.21	1773.00	-16.83	1.056
24-54-P	40.21	40.21	1772.78	-17.22	1.104
24-55-P	40.21	40.21	1772.53	-17.67	1.158
24-56-P	40.21	40.21	1772.22	-18.22	1.226
24-57-P	40.21	40.21	1771.83	-18.93	1.312
24-58-P	40.21	40.21	1771.33	-19.84	1.423
24-59-P	40.21	40.21	1782.21	-0.24	1.445
24-60-P	40.21	40.21	1782.26	-0.15	1.471
24-61-P	40.21	40.21	1782.28	-0.11	1.509
24-62-P	40.21	40.21	1782.28	-0.10	1.545
24-63-P	40.21	40.21	1782.26	-0.15	1.579
24-64-P	40.21	40.21	1782.21	-0.24	1.609
24-65-P	40.21	40.21	1782.13	-0.37	1.637
24-66-P	40.21	40.21	1782.00	-0.61	1.667
24-67-P	40.21	40.21	1781.79	-1.00	1.705
24-68-P	40.21	40.21	1781.57	-1.38	1.748
24-69-P	40.21	40.21	1781.36	-1.77	1.795
24-70-P	40.21	40.21	1781.14	-2.15	1.844
24-71-P	40.21	40.21	1780.94	-2.53	1.896
24-72-P	40.21	40.21	1780.66	-3.02	1.958
24-73-P	40.21	40.21	1780.35	-3.58	2.033
24-74-P	40.21	40.21	1780.02	-4.19	2.113
24-75-P	40.21	40.21	1779.66	-4.82	2.198
24-76-P	40.21	40.21	1779.29	-5.49	2.289
24-77-P	40.21	40.21	1778.98	-6.06	2.389
24-78-P	40.21	40.21	1778.69	-6.58	2.497
24-79-P	40.21	40.21	1778.34	-7.21	2.591
24-80-P	40.21	40.21	1777.99	-7.84	2.694

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
24-81-P	40.21	40.21	1777.60	-8.53	2.808
24-82-P	40.21	40.21	1777.16	-9.33	2.938
24-83-P	32.17	32.17	1421.66	-7.93	2.970
24-84-P	16.08	16.08	711.83	-4.13	2.305
24-85-P	8.04	8.04	355.87	-2.15	2.382
25-1-P	16.08	16.08	719.50	14.18	15.360
25-2-P	16.08	16.08	720.57	13.46	7.264
25-3-P	24.13	24.13	1080.29	19.15	6.865
25-4-P	32.17	32.17	1439.43	23.95	6.530
25-5-P	40.21	40.21	1796.75	26.76	6.534
25-6-P	40.21	40.21	1751.54	-55.48	6.010
25-7-P	40.21	40.21	1753.35	-52.22	5.469
25-8-P	40.21	40.21	1754.95	-49.34	5.007
25-9-P	40.21	40.21	1755.93	-47.57	4.686
25-10-P	40.21	40.21	1756.89	-45.85	4.393
25-11-P	40.21	40.21	1757.89	-44.04	4.112
25-12-P	40.21	40.21	1758.94	-42.15	3.841
25-13-P	40.21	40.21	1759.89	-40.45	3.597
25-14-P	40.21	40.21	1760.73	-38.93	3.367
25-15-P	40.21	40.21	1761.57	-37.42	3.140
25-16-P	40.21	40.21	1762.44	-35.85	2.919
25-17-P	40.21	40.21	1763.33	-34.24	2.705
25-18-P	40.21	40.21	1764.19	-32.70	2.507
25-19-P	40.21	40.21	1764.98	-31.28	2.330
25-20-P	40.21	40.21	1765.69	-30.00	2.175
25-21-P	40.21	40.21	1766.30	-28.89	2.042
25-22-P	40.21	40.21	1766.89	-27.84	1.923
25-23-P	40.21	40.21	1767.47	-26.79	1.810
25-24-P	40.21	40.21	1768.11	-25.63	1.697
25-25-P	40.21	40.21	1768.75	-24.47	1.589
25-26-P	40.21	40.21	1769.34	-23.42	1.492
25-27-P	40.21	40.21	1769.86	-22.48	1.405
25-28-P	40.21	40.21	1770.32	-21.66	1.329
25-29-P	40.21	40.21	1770.69	-20.99	1.266
25-30-P	40.21	40.21	1770.99	-20.44	1.214
25-31-P	40.21	40.21	1771.23	-20.02	1.175
25-32-P	40.21	40.21	1771.39	-19.73	1.149
25-33-P	40.21	40.21	1771.52	-19.48	1.127
25-34-P	40.21	40.21	1771.66	-19.24	1.104
25-35-P	40.21	40.21	1771.80	-18.99	1.081
25-36-P	40.21	40.21	1771.93	-18.76	1.060
25-37-P	40.21	40.21	1772.05	-18.53	1.039
25-38-P	40.21	40.21	1772.15	-18.35	1.023
25-39-P	40.21	40.21	1772.17	-18.33	1.021
25-40-P	40.21	40.21	1772.13	-18.39	1.028
25-41-P	40.21	40.21	1772.07	-18.51	1.039
25-42-P	40.21	40.21	1771.99	-18.64	1.052
25-43-P	40.21	40.21	1771.91	-18.78	1.066
25-44-P	40.21	40.21	1771.83	-18.93	1.080
25-45-P	40.21	40.21	1771.75	-19.07	1.094
25-46-P	40.21	40.21	1771.67	-19.21	1.108
25-47-P	40.21	40.21	1771.52	-19.50	1.135
25-48-P	40.21	40.21	1771.28	-19.92	1.176
25-49-P	40.21	40.21	1770.98	-20.47	1.230
25-50-P	40.21	40.21	1770.63	-21.09	1.291
25-51-P	40.21	40.21	1770.25	-21.78	1.357
25-52-P	40.21	40.21	1769.83	-22.53	1.431
25-53-P	40.21	40.21	1769.37	-23.36	1.512
25-54-P	40.21	40.21	1768.91	-24.19	1.597
25-55-P	40.21	40.21	1768.47	-24.99	1.682
25-56-P	40.21	40.21	1781.19	-2.06	1.736
25-57-P	40.21	40.21	1781.03	-2.36	1.771
25-58-P	40.21	40.21	1780.86	-2.67	1.806
25-59-P	40.21	40.21	1780.68	-2.99	1.843
25-60-P	40.21	40.21	1780.51	-3.30	1.879
25-61-P	40.21	40.21	1780.33	-3.63	1.915
25-62-P	40.21	40.21	1780.14	-3.97	1.948
25-63-P	40.21	40.21	1779.86	-4.46	1.984
25-64-P	40.21	40.21	1779.59	-4.95	2.017
25-65-P	40.21	40.21	1779.32	-5.43	2.048
25-66-P	40.21	40.21	1779.07	-5.89	2.075
25-67-P	40.21	40.21	1778.81	-6.35	2.103
25-68-P	40.21	40.21	1778.50	-6.92	2.140
25-69-P	40.21	40.21	1778.21	-7.45	2.177
25-70-P	40.21	40.21	1777.92	-7.96	2.218
25-71-P	40.21	40.21	1777.63	-8.49	2.273
25-72-P	40.21	40.21	1777.33	-9.02	2.368
25-73-P	40.21	40.21	1777.09	-9.47	2.472
25-74-P	40.21	40.21	1776.82	-9.94	2.584
25-75-P	32.17	32.17	1421.99	-8.20	2.435
25-76-P	24.13	24.13	1066.51	-6.27	2.465
25-77-P	16.08	16.08	710.96	-4.25	2.529
25-78-P	8.04	8.04	355.46	-2.17	2.595
26-1-P	8.04	8.04	350.30	-10.88	6.124
26-2-P	8.04	8.04	351.96	-10.35	2.800
26-3-P	16.08	16.08	703.19	-19.65	3.412
26-4-P	24.13	24.13	1054.43	-28.59	3.680
26-5-P	32.17	32.17	1405.36	-37.83	3.899
26-6-P	40.21	40.21	1756.27	-46.96	4.043

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
26-7-P	40.21	40.21	1756.40	-46.73	3.918
26-8-P	40.21	40.21	1756.78	-46.05	3.763
26-9-P	40.21	40.21	1757.84	-44.14	3.505
26-10-P	40.21	40.21	1758.82	-42.37	3.273
26-11-P	40.21	40.21	1759.73	-40.74	3.063
26-12-P	40.21	40.21	1760.50	-39.35	2.884
26-13-P	40.21	40.21	1761.17	-38.14	2.725
26-14-P	40.21	40.21	1761.82	-36.96	2.574
26-15-P	40.21	40.21	1762.50	-35.74	2.430
26-16-P	40.21	40.21	1763.27	-34.35	2.284
26-17-P	40.21	40.21	1764.06	-32.93	2.143
26-18-P	40.21	40.21	1764.79	-31.61	2.015
26-19-P	40.21	40.21	1765.47	-30.40	1.898
26-20-P	40.21	40.21	1766.07	-29.31	1.795
26-21-P	40.21	40.21	1766.67	-28.23	1.700
26-22-P	40.21	40.21	1767.11	-27.44	1.631
26-23-P	40.21	40.21	1767.45	-26.83	1.575
26-24-P	40.21	40.21	1767.78	-26.22	1.522
26-25-P	40.21	40.21	1768.10	-25.65	1.471
26-26-P	40.21	40.21	1768.41	-25.10	1.423
26-27-P	40.21	40.21	1768.67	-24.62	1.381
26-28-P	40.21	40.21	1768.84	-24.32	1.356
26-29-P	40.21	40.21	1769.01	-24.02	1.332
26-30-P	40.21	40.21	1769.17	-23.73	1.308
26-31-P	40.21	40.21	1769.32	-23.46	1.286
26-32-P	40.21	40.21	1769.46	-23.20	1.264
26-33-P	40.21	40.21	1769.60	-22.96	1.244
26-34-P	40.21	40.21	1769.64	-22.87	1.236
26-35-P	40.21	40.21	1769.57	-23.00	1.241
26-36-P	40.21	40.21	1769.50	-23.13	1.248
26-37-P	40.21	40.21	1769.42	-23.27	1.256
26-38-P	40.21	40.21	1769.33	-23.43	1.266
26-39-P	40.21	40.21	1769.24	-23.60	1.278
26-40-P	40.21	40.21	1769.13	-23.79	1.293
26-41-P	40.21	40.21	1768.97	-24.09	1.318
26-42-P	40.21	40.21	1768.75	-24.48	1.351
26-43-P	40.21	40.21	1768.52	-24.90	1.385
26-44-P	40.21	40.21	1768.28	-25.33	1.421
26-45-P	40.21	40.21	1768.02	-25.81	1.461
26-46-P	40.21	40.21	1767.61	-26.53	1.521
26-47-P	40.21	40.21	1767.11	-27.43	1.598
26-48-P	40.21	40.21	1766.64	-28.28	1.675
26-49-P	40.21	40.21	1766.16	-29.15	1.755
26-50-P	40.21	40.21	1765.66	-30.05	1.841
26-51-P	40.21	40.21	1765.13	-31.00	1.933
26-52-P	40.21	40.21	1764.59	-31.98	2.030
26-53-P	40.21	40.21	1779.48	-5.15	2.082
26-54-P	40.21	40.21	1779.22	-5.62	2.126
26-55-P	40.21	40.21	1778.94	-6.13	2.165
26-56-P	40.21	40.21	1778.64	-6.66	2.200
26-57-P	40.21	40.21	1778.33	-7.22	2.234
26-58-P	40.21	40.21	1778.01	-7.80	2.269
26-59-P	40.21	40.21	1777.71	-8.33	2.292
26-60-P	40.21	40.21	1777.46	-8.80	2.309
26-61-P	40.21	40.21	1777.23	-9.20	2.322
26-62-P	40.21	40.21	1777.05	-9.53	2.329
26-63-P	40.21	40.21	1776.87	-9.85	2.352
26-64-P	40.21	40.21	1776.69	-10.17	2.378
26-65-P	32.17	32.17	1421.77	-8.28	2.217
26-66-P	24.13	24.13	1066.82	-6.30	2.018
26-67-P	16.08	16.08	711.73	-4.30	1.787
26-68-P	8.04	8.04	356.49	-2.22	1.391
26-69-P	8.04	8.04	355.07	-2.29	2.874
27-1-P	16.08	8.04	691.71	-18.19	9.866
27-2-P	8.04	8.04	352.12	-9.19	2.417
27-3-P	16.08	16.08	703.26	-17.77	3.170
27-4-P	16.08	16.08	704.40	-17.37	2.358
27-5-P	24.13	24.13	1055.65	-25.60	2.776
27-6-P	32.17	32.17	1407.05	-33.57	3.007
27-7-P	32.17	32.17	1408.24	-33.07	2.506
27-8-P	40.21	40.21	1759.66	-40.73	2.706
27-9-P	40.21	40.21	1760.15	-39.98	2.571
27-10-P	40.21	40.21	1760.61	-39.14	2.462
27-11-P	40.21	40.21	1761.15	-38.18	2.351
27-12-P	40.21	40.21	1761.82	-36.97	2.232
27-13-P	40.21	40.21	1762.58	-35.59	2.112
27-14-P	40.21	40.21	1763.29	-34.33	2.004
27-15-P	40.21	40.21	1763.94	-33.15	1.905
27-16-P	40.21	40.21	1764.50	-32.15	1.820
27-17-P	40.21	40.21	1764.85	-31.51	1.762
27-18-P	40.21	40.21	1765.01	-31.23	1.729
27-19-P	40.21	40.21	1765.16	-30.95	1.699
27-20-P	40.21	40.21	1765.27	-30.76	1.673
27-21-P	40.21	40.21	1765.36	-30.58	1.650
27-22-P	40.21	40.21	1765.48	-30.37	1.629
27-23-P	40.21	40.21	1765.61	-30.15	1.607
27-24-P	40.21	40.21	1765.74	-29.90	1.585
27-25-P	40.21	40.21	1765.90	-29.62	1.562
27-26-P	40.21	40.21	1766.08	-29.29	1.536

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
27-27-P	40.21	40.21	1766.25	-28.98	1.513
27-28-P	40.21	40.21	1766.18	-29.12	1.516
27-29-P	40.21	40.21	1766.11	-29.23	1.520
27-30-P	40.21	40.21	1766.06	-29.33	1.523
27-31-P	40.21	40.21	1766.03	-29.37	1.523
27-32-P	40.21	40.21	1766.04	-29.37	1.521
27-33-P	40.21	40.21	1766.03	-29.38	1.521
27-34-P	40.21	40.21	1765.96	-29.51	1.531
27-35-P	40.21	40.21	1765.86	-29.69	1.545
27-36-P	40.21	40.21	1765.72	-29.95	1.565
27-37-P	40.21	40.21	1765.52	-30.31	1.594
27-38-P	40.21	40.21	1765.16	-30.94	1.641
27-39-P	40.21	40.21	1764.68	-31.81	1.705
27-40-P	40.21	40.21	1764.10	-32.86	1.781
27-41-P	40.21	40.21	1763.48	-33.98	1.863
27-42-P	40.21	40.21	1762.86	-35.09	1.950
27-43-P	40.21	40.21	1762.34	-36.03	2.035
27-44-P	40.21	40.21	1761.94	-36.74	2.111
27-45-P	40.21	40.21	1761.67	-37.23	2.178
27-46-P	40.21	40.21	1761.52	-37.50	2.235
27-47-P	40.21	40.21	1761.23	-38.03	2.309
27-48-P	40.21	40.21	1778.01	-7.81	2.384
27-49-P	40.21	40.21	1777.75	-8.28	2.403
27-50-P	40.21	40.21	1777.39	-8.80	2.450
27-51-P	32.17	32.17	1422.47	-7.45	2.201
27-52-P	32.17	32.17	1421.36	-7.79	2.546
27-53-P	24.13	24.13	1066.50	-6.07	2.256
27-54-P	16.08	16.08	711.72	-4.20	1.836
27-55-P	16.08	16.08	710.73	-4.32	2.340
27-56-P	8.04	8.04	356.00	-2.20	1.674
27-57-P	16.08	8.04	698.90	-4.39	6.602
28-1-P	8.04	8.04	351.35	-8.14	5.810
28-2-P	8.04	8.04	351.88	-7.94	2.774
28-3-P	8.04	8.04	352.67	-7.74	1.769
28-4-P	8.04	8.04	353.42	-7.56	1.269
28-5-P	16.08	16.08	705.03	-14.63	1.990
28-6-P	16.08	16.08	705.68	-14.33	1.676
28-7-P	16.08	16.08	706.27	-14.13	1.447
28-8-P	24.13	24.13	1057.92	-20.87	1.896
28-9-P	24.13	24.13	1058.56	-20.59	1.677
28-10-P	24.13	24.13	1059.05	-20.55	1.520
28-11-P	32.17	32.17	1410.37	-27.52	1.920
28-12-P	32.17	32.17	1410.56	-27.68	1.827
28-13-P	32.17	32.17	1410.76	-27.84	1.742
28-14-P	32.17	32.17	1410.99	-27.95	1.662
28-15-P	32.17	32.17	1411.36	-27.80	1.576
28-16-P	32.17	32.17	1411.72	-27.46	1.512
28-17-P	32.17	32.17	1411.94	-27.24	1.474
28-18-P	32.17	32.17	1412.07	-27.18	1.447
28-19-P	40.21	40.21	1763.32	-33.93	1.777
28-20-P	40.21	40.21	1763.40	-33.95	1.750
28-21-P	40.21	40.21	1763.38	-34.16	1.734
28-22-P	40.21	40.21	1763.18	-34.34	1.760
28-23-P	40.21	40.21	1763.08	-34.36	1.780
28-24-P	32.17	32.17	1411.94	-27.41	1.438
28-25-P	32.17	32.17	1411.96	-27.21	1.447
28-26-P	32.17	32.17	1411.95	-27.06	1.460
28-27-P	32.17	32.17	1411.83	-26.95	1.496
28-28-P	32.17	32.17	1411.51	-27.00	1.568
28-29-P	32.17	32.17	1411.07	-27.28	1.663
28-30-P	32.17	32.17	1410.60	-27.61	1.772
28-31-P	32.17	32.17	1410.05	-28.09	1.904
28-32-P	24.13	24.13	1058.45	-21.64	1.556
28-33-P	24.13	24.13	1057.65	-22.23	1.762
28-34-P	24.13	24.13	1056.91	-22.68	2.004
28-35-P	16.08	16.08	705.54	-15.45	1.537
28-36-P	16.08	16.08	704.90	-15.74	1.788
28-37-P	16.08	16.08	704.29	-15.96	2.106
28-38-P	8.04	8.04	353.14	-8.07	1.318
28-39-P	8.04	8.04	352.44	-8.17	1.812
28-40-P	8.04	8.04	351.70	-8.26	2.806
28-41-P	8.04	8.04	354.85	-1.85	5.794
29-1-S	8.04	8.04	357.91	3.73	8.493
29-2-S	8.04	8.04	358.16	3.47	4.114
29-3-S	8.04	8.04	358.71	3.23	2.661
29-4-S	8.04	8.04	359.25	3.00	1.938
29-5-S	16.08	16.08	716.08	5.43	3.027
29-6-S	16.08	16.08	716.28	4.89	2.509
29-7-S	16.08	16.08	716.50	4.42	2.127
29-8-S	24.13	24.13	1072.72	5.97	2.738
29-9-S	24.13	24.13	1072.88	5.37	2.383
29-10-S	24.13	24.13	1073.06	4.83	2.107
29-11-S	32.17	32.17	1428.74	5.75	2.594
29-12-S	32.17	32.17	1428.67	5.09	2.419
29-13-S	32.17	32.17	1428.60	4.43	2.276
29-14-S	32.17	32.17	1428.54	3.78	2.148
29-15-S	32.17	32.17	1428.49	3.14	2.023
29-16-S	32.17	32.17	1428.34	2.52	1.932
29-17-S	32.17	32.17	1428.13	1.95	1.868

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
29-18-S	32.17	32.17	1427.94	1.43	1.808
29-19-S	40.21	40.21	1782.77	1.16	2.189
29-20-S	40.21	40.21	1782.54	0.55	2.124
29-21-S	40.21	40.21	1782.31	-0.05	2.077
29-22-S	40.21	40.21	1781.87	-0.67	2.087
29-23-S	40.21	40.21	1781.43	-1.30	2.094
29-24-S	32.17	32.17	1426.31	-1.55	1.682
29-25-S	32.17	32.17	1425.94	-2.05	1.682
29-26-S	32.17	32.17	1425.61	-2.46	1.669
29-27-S	32.17	32.17	1425.25	-2.80	1.662
29-28-S	32.17	32.17	1424.78	-3.11	1.688
29-29-S	32.17	32.17	1424.32	-3.42	1.729
29-30-S	32.17	32.17	1423.85	-3.74	1.779
29-31-S	32.17	32.17	1423.39	-4.05	1.841
29-32-S	24.13	24.13	1068.64	-3.30	1.445
29-33-S	24.13	24.13	1068.02	-3.56	1.574
29-34-S	24.13	24.13	1067.38	-3.84	1.740
29-35-S	16.08	16.08	712.60	-2.75	1.298
29-36-S	16.08	16.08	712.02	-2.93	1.467
29-37-S	16.08	16.08	711.43	-3.10	1.679
29-38-S	8.04	8.04	356.73	-1.62	1.015
29-39-S	8.04	8.04	356.05	-1.66	1.342
29-40-S	8.04	8.04	355.34	-1.71	1.995
29-41-S	8.04	8.04	354.90	-1.76	3.956
30-1-S	16.08	8.04	707.12	13.55	15.635
30-2-S	8.04	8.04	360.67	6.41	3.788
30-3-S	16.08	16.08	719.41	11.68	4.979
30-4-S	16.08	16.08	719.82	10.72	3.688
30-5-S	24.13	24.13	1077.84	14.83	4.305
30-6-S	32.17	32.17	1435.52	18.28	4.629
30-7-S	32.17	32.17	1435.72	16.95	3.834
30-8-S	40.21	40.21	1792.95	19.82	4.139
30-9-S	40.21	40.21	1792.36	18.61	3.974
30-10-S	40.21	40.21	1791.72	17.42	3.855
30-11-S	40.21	40.21	1791.07	16.22	3.734
30-12-S	40.21	40.21	1790.35	14.88	3.598
30-13-S	40.21	40.21	1789.47	13.23	3.387
30-14-S	40.21	40.21	1788.65	11.72	3.187
30-15-S	40.21	40.21	1787.91	10.35	3.006
30-16-S	40.21	40.21	1787.25	9.12	2.847
30-17-S	40.21	40.21	1786.70	8.10	2.707
30-18-S	40.21	40.21	1786.21	7.19	2.590
30-19-S	40.21	40.21	1785.74	6.32	2.487
30-20-S	40.21	40.21	1785.30	5.49	2.395
30-21-S	40.21	40.21	1784.88	4.71	2.313
30-22-S	40.21	40.21	1784.49	4.00	2.253
30-23-S	40.21	40.21	1784.12	3.31	2.203
30-24-S	40.21	40.21	1783.78	2.67	2.153
30-25-S	40.21	40.21	1783.46	2.07	2.103
30-26-S	40.21	40.21	1783.16	1.52	2.050
30-27-S	40.21	40.21	1782.89	1.02	1.998
30-28-S	40.21	40.21	1782.64	0.55	1.965
30-29-S	40.21	40.21	1782.38	0.08	1.938
30-30-S	40.21	40.21	1782.12	-0.39	1.910
30-31-S	40.21	40.21	1781.87	-0.86	1.882
30-32-S	40.21	40.21	1781.61	-1.31	1.854
30-33-S	40.21	40.21	1781.36	-1.76	1.825
30-34-S	40.21	40.21	1781.11	-2.21	1.785
30-35-S	40.21	40.21	1780.88	-2.63	1.744
30-36-S	40.21	40.21	1780.68	-2.99	1.707
30-37-S	40.21	40.21	1780.50	-3.31	1.674
30-38-S	40.21	40.21	1780.34	-3.60	1.653
30-39-S	40.21	40.21	1780.14	-3.96	1.645
30-40-S	40.21	40.21	1779.91	-4.38	1.647
30-41-S	40.21	40.21	1779.66	-4.83	1.652
30-42-S	40.21	40.21	1779.41	-5.28	1.657
30-43-S	40.21	40.21	1779.14	-5.76	1.663
30-44-S	40.21	40.21	1778.90	-6.20	1.665
30-45-S	40.21	40.21	1778.67	-6.62	1.665
30-46-S	40.21	40.21	1778.45	-7.02	1.663
30-47-S	40.21	40.21	1778.26	-7.34	1.660
30-48-S	40.21	40.21	1778.08	-7.67	1.659
30-49-S	40.21	40.21	1777.92	-7.95	1.657
30-50-S	40.21	40.21	1777.71	-8.22	1.669
30-51-S	32.17	32.17	1422.86	-6.75	1.480
30-52-S	32.17	32.17	1421.77	-7.05	1.735
30-53-S	24.13	24.13	1066.79	-5.54	1.567
30-54-S	16.08	16.08	711.91	-3.86	1.300
30-55-S	16.08	16.08	710.91	-4.00	1.693
30-56-S	8.04	8.04	356.08	-2.06	1.237
30-57-S	16.08	8.04	699.03	-4.15	4.926
31-1-S	8.04	8.04	361.05	8.75	6.893
31-2-S	8.04	8.04	362.87	9.58	3.640
31-3-S	16.08	16.08	725.34	20.88	5.107
31-4-S	24.13	24.13	1088.58	33.96	6.173
31-5-S	32.17	32.17	1444.46	33.62	6.779
31-6-S	40.21	40.21	1803.09	38.55	6.832
31-7-S	40.21	40.21	1801.54	35.66	6.505
31-8-S	40.21	40.21	1799.94	32.69	6.200

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
31-9-S	40.21	40.21	1798.15	29.35	5.847
31-10-S	40.21	40.21	1796.53	26.35	5.531
31-11-S	40.21	40.21	1795.04	23.59	5.247
31-12-S	40.21	40.21	1793.73	21.16	4.995
31-13-S	40.21	40.21	1792.57	19.00	4.755
31-14-S	40.21	40.21	1791.59	17.18	4.515
31-15-S	40.21	40.21	1790.66	15.46	4.281
31-16-S	40.21	40.21	1789.73	13.73	4.042
31-17-S	40.21	40.21	1788.85	12.10	3.814
31-18-S	40.21	40.21	1788.07	10.63	3.609
31-19-S	40.21	40.21	1787.36	9.32	3.422
31-20-S	40.21	40.21	1786.69	8.09	3.246
31-21-S	40.21	40.21	1786.12	7.02	3.056
31-22-S	40.21	40.21	1785.64	6.12	2.877
31-23-S	40.21	40.21	1785.19	5.29	2.722
31-24-S	40.21	40.21	1784.78	4.54	2.582
31-25-S	40.21	40.21	1784.42	3.86	2.456
31-26-S	40.21	40.21	1784.09	3.24	2.341
31-27-S	40.21	40.21	1783.79	2.70	2.238
31-28-S	40.21	40.21	1783.62	2.37	2.147
31-29-S	40.21	40.21	1783.45	2.06	2.065
31-30-S	40.21	40.21	1783.28	1.74	1.992
31-31-S	40.21	40.21	1783.10	1.41	1.927
31-32-S	40.21	40.21	1782.92	1.08	1.869
31-33-S	40.21	40.21	1782.73	0.72	1.818
31-34-S	40.21	40.21	1782.54	0.38	1.775
31-35-S	40.21	40.21	1782.36	0.03	1.746
31-36-S	40.21	40.21	1782.18	-0.29	1.717
31-37-S	40.21	40.21	1782.03	-0.56	1.684
31-38-S	40.21	40.21	1781.91	-0.78	1.648
31-39-S	40.21	40.21	1781.82	-0.93	1.610
31-40-S	40.21	40.21	1781.76	-1.05	1.569
31-41-S	40.21	40.21	1781.67	-1.21	1.539
31-42-S	40.21	40.21	1781.52	-1.47	1.524
31-43-S	40.21	40.21	1781.37	-1.74	1.510
31-44-S	40.21	40.21	1781.23	-2.00	1.494
31-45-S	40.21	40.21	1781.09	-2.25	1.478
31-46-S	40.21	40.21	1780.96	-2.49	1.463
31-47-S	40.21	40.21	1780.85	-2.69	1.453
31-48-S	40.21	40.21	1780.72	-2.92	1.451
31-49-S	40.21	40.21	1780.51	-3.30	1.457
31-50-S	40.21	40.21	1780.31	-3.66	1.463
31-51-S	40.21	40.21	1780.12	-3.99	1.467
31-52-S	40.21	40.21	1779.94	-4.32	1.470
31-53-S	40.21	40.21	1779.77	-4.63	1.472
31-54-S	40.21	40.21	1779.58	-4.98	1.475
31-55-S	40.21	40.21	1779.36	-5.38	1.481
31-56-S	40.21	40.21	1779.13	-5.79	1.491
31-57-S	40.21	40.21	1778.89	-6.21	1.509
31-58-S	40.21	40.21	1778.64	-6.67	1.541
31-59-S	40.21	40.21	1778.41	-7.08	1.579
31-60-S	40.21	40.21	1778.20	-7.45	1.619
31-61-S	40.21	40.21	1778.02	-7.79	1.663
31-62-S	40.21	40.21	1777.81	-8.16	1.705
31-63-S	40.21	40.21	1777.56	-8.62	1.740
31-64-S	40.21	40.21	1777.28	-9.12	1.779
31-65-S	32.17	32.17	1422.16	-7.58	1.680
31-66-S	24.13	24.13	1067.01	-5.95	1.556
31-67-S	16.08	16.08	711.79	-4.18	1.385
31-68-S	8.04	8.04	356.52	-2.18	1.058
31-69-S	8.04	8.04	355.09	-2.25	2.145
32-1-S	16.08	16.08	717.65	10.78	9.097
32-2-S	16.08	16.08	719.50	11.47	4.591
32-3-S	24.13	24.13	1079.80	18.23	4.624
32-4-S	32.17	32.17	1440.39	25.75	4.745
32-5-S	40.21	40.21	1801.05	34.75	5.451
32-6-S	40.21	40.21	1802.22	36.92	5.620
32-7-S	40.21	40.21	1803.45	39.20	5.800
32-8-S	40.21	40.21	1804.75	41.62	5.997
32-9-S	40.21	40.21	1806.07	44.06	6.188
32-10-S	40.21	40.21	1807.43	46.59	6.379
32-11-S	40.21	40.21	1808.88	49.28	6.591
32-12-S	40.21	40.21	1810.39	52.09	6.816
32-13-S	40.21	40.21	1811.94	54.98	7.040
32-14-S	40.21	40.21	1793.11	20.00	6.761
32-15-S	40.21	40.21	1791.42	16.86	6.317
32-16-S	40.21	40.21	1789.98	14.19	5.873
32-17-S	40.21	40.21	1788.77	11.94	5.443
32-18-S	40.21	40.21	1787.74	10.02	5.059
32-19-S	40.21	40.21	1786.84	8.35	4.726
32-20-S	40.21	40.21	1786.05	6.89	4.433
32-21-S	40.21	40.21	1785.35	5.58	4.176
32-22-S	40.21	40.21	1784.71	4.41	3.947
32-23-S	40.21	40.21	1784.18	3.42	3.727
32-24-S	40.21	40.21	1783.82	2.74	3.485
32-25-S	40.21	40.21	1783.59	2.32	3.239
32-26-S	40.21	40.21	1783.40	1.97	3.019
32-27-S	40.21	40.21	1783.25	1.69	2.824
32-28-S	40.21	40.21	1783.11	1.42	2.653

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
32-29-S	40.21	40.21	1782.95	1.12	2.505
32-30-S	40.21	40.21	1782.77	0.80	2.377
32-31-S	40.21	40.21	1782.65	0.57	2.256
32-32-S	40.21	40.21	1782.60	0.49	2.149
32-33-S	40.21	40.21	1782.56	0.40	2.055
32-34-S	40.21	40.21	1782.52	0.33	1.966
32-35-S	40.21	40.21	1782.48	0.27	1.882
32-36-S	40.21	40.21	1782.46	0.21	1.804
32-37-S	40.21	40.21	1782.43	0.16	1.732
32-38-S	40.21	40.21	1782.41	0.13	1.662
32-39-S	40.21	40.21	1782.40	0.12	1.590
32-40-S	40.21	40.21	1782.40	0.12	1.532
32-41-S	40.21	40.21	1782.38	0.08	1.491
32-42-S	40.21	40.21	1782.35	0.03	1.457
32-43-S	40.21	40.21	1782.33	-0.02	1.423
32-44-S	40.21	40.21	1782.30	-0.07	1.389
32-45-S	40.21	40.21	1782.27	-0.12	1.356
32-46-S	40.21	40.21	1782.25	-0.17	1.324
32-47-S	40.21	40.21	1782.20	-0.25	1.299
32-48-S	40.21	40.21	1782.15	-0.35	1.286
32-49-S	40.21	40.21	1782.11	-0.42	1.281
32-50-S	40.21	40.21	1782.10	-0.43	1.276
32-51-S	40.21	40.21	1782.10	-0.43	1.270
32-52-S	40.21	40.21	1782.10	-0.44	1.262
32-53-S	40.21	40.21	1782.09	-0.46	1.254
32-54-S	40.21	40.21	1782.01	-0.60	1.253
32-55-S	40.21	40.21	1781.84	-0.90	1.259
32-56-S	40.21	40.21	1781.67	-1.21	1.266
32-57-S	40.21	40.21	1781.52	-1.48	1.275
32-58-S	40.21	40.21	1781.38	-1.72	1.287
32-59-S	40.21	40.21	1781.27	-1.93	1.300
32-60-S	40.21	40.21	1781.14	-2.15	1.319
32-61-S	40.21	40.21	1780.96	-2.48	1.345
32-62-S	40.21	40.21	1780.75	-2.86	1.373
32-63-S	40.21	40.21	1780.54	-3.25	1.403
32-64-S	40.21	40.21	1780.31	-3.66	1.434
32-65-S	40.21	40.21	1780.07	-4.10	1.467
32-66-S	40.21	40.21	1779.78	-4.61	1.516
32-67-S	40.21	40.21	1779.43	-5.23	1.575
32-68-S	40.21	40.21	1779.05	-5.92	1.632
32-69-S	40.21	40.21	1778.64	-6.67	1.689
32-70-S	40.21	40.21	1778.20	-7.45	1.749
32-71-S	40.21	40.21	1777.76	-8.25	1.812
32-72-S	40.21	40.21	1777.32	-9.04	1.864
32-73-S	40.21	40.21	1776.99	-9.64	1.903
32-74-S	40.21	40.21	1776.71	-10.14	1.939
32-75-S	32.17	32.17	1421.89	-8.38	1.782
32-76-S	24.13	24.13	1066.42	-6.43	1.793
32-77-S	16.08	16.08	710.89	-4.39	1.839
32-78-S	8.04	8.04	355.41	-2.25	1.887
33-1-S	16.08	16.08	715.98	7.28	7.065
33-2-S	16.08	16.08	718.31	7.80	3.513
33-3-S	32.17	32.17	1434.96	16.52	4.634
33-4-S	40.21	40.21	1793.96	21.58	4.718
33-5-S	40.21	40.21	1794.27	22.16	4.646
33-6-S	40.21	40.21	1794.63	22.83	4.589
33-7-S	40.21	40.21	1794.99	23.49	4.537
33-8-S	40.21	40.21	1795.45	24.34	4.540
33-9-S	40.21	40.21	1796.11	25.57	4.630
33-10-S	40.21	40.21	1796.83	26.92	4.746
33-11-S	40.21	40.21	1797.63	28.40	4.879
33-12-S	40.21	40.21	1798.48	29.98	5.023
33-13-S	40.21	40.21	1799.48	31.83	5.188
33-14-S	40.21	40.21	1800.61	33.92	5.369
33-15-S	40.21	40.21	1801.80	36.14	5.556
33-16-S	40.21	40.21	1803.06	38.49	5.749
33-17-S	40.21	40.21	1804.39	40.96	5.944
33-18-S	40.21	40.21	1805.78	43.54	6.143
33-19-S	40.21	40.21	1808.44	48.48	6.612
33-20-S	40.21	40.21	1780.84	-2.70	7.088
33-21-S	40.21	40.21	1780.35	-3.58	6.437
33-22-S	40.21	40.21	1780.11	-4.01	5.882
33-23-S	40.21	40.21	1780.08	-4.08	5.405
33-24-S	40.21	40.21	1780.19	-3.87	4.993
33-25-S	40.21	40.21	1780.42	-3.46	4.636
33-26-S	40.21	40.21	1780.75	-2.86	4.231
33-27-S	40.21	40.21	1781.10	-2.24	3.805
33-28-S	40.21	40.21	1781.35	-1.79	3.463
33-29-S	40.21	40.21	1781.51	-1.49	3.190
33-30-S	40.21	40.21	1781.62	-1.29	2.964
33-31-S	40.21	40.21	1781.70	-1.16	2.773
33-32-S	40.21	40.21	1781.73	-1.10	2.614
33-33-S	40.21	40.21	1781.77	-1.02	2.463
33-34-S	40.21	40.21	1781.87	-0.85	2.302
33-35-S	40.21	40.21	1781.96	-0.68	2.154
33-36-S	40.21	40.21	1782.04	-0.54	2.021
33-37-S	40.21	40.21	2030.58	-0.60	2.174
33-38-S	40.21	40.21	2030.66	-0.48	2.063
33-39-S	40.21	48.25	2034.13	-0.39	1.972

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
33-40-S	40.21	48.25	2034.17	-0.33	1.880
33-41-S	40.21	48.25	2034.24	-0.21	1.793
33-42-S	40.21	48.25	2034.31	-0.10	1.708
33-43-S	40.21	40.21	2030.97	0.01	1.625
33-44-S	40.21	48.25	2034.44	0.11	1.553
33-45-S	40.21	48.25	2034.49	0.19	1.485
33-46-S	40.21	48.25	2034.52	0.24	1.433
33-47-S	40.21	48.25	2034.54	0.26	1.392
33-48-S	40.21	40.21	2031.16	0.32	1.360
33-49-S	40.21	40.21	2031.22	0.42	1.330
33-50-S	40.21	40.21	1782.55	0.39	1.139
33-51-S	40.21	40.21	1782.60	0.48	1.110
33-52-S	40.21	40.21	1782.65	0.57	1.085
33-53-S	40.21	40.21	1782.69	0.64	1.071
33-54-S	40.21	40.21	1782.72	0.71	1.070
33-55-S	40.21	40.21	1782.76	0.78	1.070
33-56-S	40.21	40.21	1782.81	0.87	1.071
33-57-S	40.21	40.21	1782.86	0.97	1.072
33-58-S	40.21	40.21	1782.92	1.07	1.072
33-59-S	40.21	40.21	1782.95	1.13	1.080
33-60-S	40.21	40.21	1782.96	1.14	1.098
33-61-S	40.21	40.21	1782.95	1.14	1.117
33-62-S	40.21	40.21	1782.94	1.11	1.136
33-63-S	40.21	40.21	1782.92	1.07	1.153
33-64-S	40.21	40.21	1782.89	1.01	1.170
33-65-S	40.21	40.21	1782.83	0.91	1.187
33-66-S	40.21	40.21	1782.73	0.73	1.207
33-67-S	40.21	40.21	1782.57	0.43	1.236
33-68-S	40.21	40.21	1782.39	0.08	1.279
33-69-S	40.21	40.21	1782.17	-0.30	1.330
33-70-S	40.21	40.21	1781.94	-0.72	1.386
33-71-S	40.21	40.21	1781.69	-1.18	1.446
33-72-S	40.21	40.21	1781.40	-1.69	1.509
33-73-S	40.21	40.21	1781.08	-2.28	1.569
33-74-S	40.21	40.21	1780.66	-3.02	1.628
33-75-S	40.21	40.21	1780.16	-3.92	1.681
33-76-S	40.21	40.21	1779.62	-4.89	1.738
33-77-S	40.21	40.21	1779.07	-5.89	1.798
33-78-S	40.21	40.21	1778.58	-6.77	1.853
33-79-S	40.21	40.21	1778.14	-7.57	1.913
33-80-S	40.21	40.21	1777.72	-8.33	1.982
33-81-S	40.21	40.21	1777.34	-9.00	2.054
33-82-S	40.21	40.21	1776.98	-9.65	2.131
33-83-S	32.17	32.17	1421.60	-8.05	2.148
33-84-S	16.08	16.08	711.81	-4.15	1.680
33-85-S	8.04	8.04	355.87	-2.14	1.752
34-1-S	24.13	24.13	1071.79	7.52	8.449
34-2-S	24.13	24.13	1074.29	8.02	4.175
34-3-S	40.21	40.21	1789.83	14.12	4.679
34-4-S	40.21	40.21	1790.13	14.47	4.510
34-5-S	40.21	40.21	1790.33	14.83	4.414
34-6-S	40.21	40.21	1790.51	15.18	4.321
34-7-S	40.21	40.21	1790.67	15.47	4.235
34-8-S	40.21	40.21	1790.81	15.73	4.154
34-9-S	40.21	40.21	1791.01	16.10	4.093
34-10-S	40.21	40.21	1791.34	16.72	4.092
34-11-S	40.21	40.21	1791.71	17.40	4.112
34-12-S	40.21	40.21	1792.12	18.16	4.144
34-13-S	40.21	40.21	1792.53	18.92	4.175
34-14-S	40.21	40.21	1792.93	19.67	4.203
34-15-S	40.21	40.21	1793.34	20.43	4.230
34-16-S	40.21	40.21	1794.13	21.89	4.351
34-17-S	40.21	40.21	1795.03	23.57	4.496
34-18-S	40.21	40.21	1795.98	25.34	4.647
34-19-S	40.21	40.21	1796.98	27.19	4.796
34-20-S	40.21	40.21	1797.99	29.07	4.936
34-21-S	40.21	40.21	1799.02	30.98	5.068
34-22-S	40.21	40.21	1800.30	33.35	5.245
34-23-S	40.21	40.21	-1773.24	-16.48	5.583
34-24-S	40.21	40.21	-1773.93	-15.24	5.428
34-25-S	40.21	40.21	-1774.58	-14.06	5.272
34-26-S	40.21	40.21	-1775.20	-12.93	5.117
34-27-S	40.21	40.21	-1775.80	-11.85	4.964
34-28-S	40.21	40.21	-2021.90	-14.42	5.479
34-29-S	40.21	48.25	2025.23	-14.42	5.901
34-30-S	40.21	48.25	2272.72	-15.03	5.834
34-31-S	40.21	56.30	2277.56	-12.35	5.197
34-32-S	40.21	56.30	2525.93	-12.37	5.164
34-33-S	40.21	56.30	2527.75	-10.07	4.666
34-34-S	40.21	56.30	2776.70	-9.63	4.659
34-35-S	40.21	56.30	2778.43	-7.63	4.264
34-36-S	40.21	56.30	3028.21	-6.55	4.230
34-37-S	40.21	48.25	3026.00	-4.80	3.884
34-38-S	40.21	56.30	3031.07	-3.51	3.609
34-39-S	40.21	48.25	3028.10	-2.57	3.372
34-40-S	40.21	48.25	3028.72	-1.90	3.179
34-41-S	40.21	48.25	3029.19	-1.41	2.983
34-42-S	40.21	40.21	3024.80	-0.99	2.766
34-43-S	40.21	40.21	3025.13	-0.64	2.561

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
34-44-S	40.21	40.21	3025.41	-0.34	2.394
34-45-S	40.21	40.21	3025.63	-0.10	2.270
34-46-S	40.21	40.21	3025.82	0.11	2.175
34-47-S	40.21	40.21	3026.04	0.35	2.081
34-48-S	40.21	40.21	3026.28	0.61	1.985
34-49-S	40.21	40.21	3026.54	0.91	1.886
34-50-S	40.21	40.21	3026.80	1.19	1.791
34-51-S	40.21	48.25	3031.83	1.45	1.719
34-52-S	40.21	48.25	3032.06	1.71	1.678
34-53-S	40.21	48.25	3032.29	1.96	1.647
34-54-S	40.21	56.30	3036.40	2.21	1.618
34-55-S	40.21	48.25	3032.73	2.44	1.584
34-56-S	40.21	56.30	3036.81	2.66	1.553
34-57-S	40.21	56.30	2787.09	2.44	1.395
34-58-S	40.21	56.30	2787.36	2.76	1.387
34-59-S	40.21	56.30	2537.76	2.68	1.272
34-60-S	40.21	56.30	2538.04	3.05	1.280
34-61-S	40.21	56.30	2288.28	2.77	1.159
34-62-S	40.21	48.25	2285.49	3.04	1.163
34-63-S	40.21	48.25	2035.98	2.61	1.041
34-64-S	40.21	40.21	2032.68	2.80	1.056
34-65-S	48.25	40.21	2134.20	2.67	1.131
34-66-S	48.25	40.21	2134.29	2.84	1.154
34-67-S	48.25	40.21	2134.40	3.05	1.178
34-68-S	40.21	40.21	1783.82	2.75	1.006
34-69-S	40.21	40.21	1783.95	2.99	1.029
34-70-S	40.21	40.21	1784.10	3.26	1.075
34-71-S	40.21	40.21	1784.19	3.44	1.128
34-72-S	40.21	40.21	1784.23	3.51	1.180
34-73-S	40.21	40.21	1784.19	3.44	1.230
34-74-S	40.21	40.21	1784.07	3.22	1.277
34-75-S	40.21	40.21	1783.94	2.97	1.327
34-76-S	40.21	40.21	1783.78	2.67	1.383
34-77-S	40.21	40.21	1783.48	2.11	1.461
34-78-S	40.21	40.21	1783.14	1.49	1.545
34-79-S	40.21	40.21	1782.76	0.79	1.628
34-80-S	40.21	40.21	1782.35	0.02	1.706
34-81-S	40.21	40.21	1781.90	-0.80	1.778
34-82-S	40.21	40.21	1781.40	-1.69	1.846
34-83-S	40.21	40.21	1780.82	-2.73	1.925
34-84-S	40.21	40.21	1780.16	-3.94	2.016
34-85-S	40.21	40.21	1779.42	-5.26	2.119
34-86-S	40.21	40.21	1778.70	-6.55	2.230
34-87-S	40.21	40.21	1778.19	-7.47	2.334
34-88-S	40.21	40.21	1777.80	-8.18	2.436
34-89-S	40.21	40.21	1777.26	-8.95	2.579
34-90-S	24.13	24.13	1066.92	-5.51	2.374
34-91-S	8.04	8.04	356.47	-1.88	1.661
35-1-S	32.17	32.17	1427.32	6.97	9.088
35-2-S	32.17	32.17	1430.10	7.52	4.549
35-3-S	40.21	40.21	1787.60	9.77	4.573
35-4-S	40.21	40.21	1787.66	9.88	4.436
35-5-S	40.21	40.21	1787.71	9.97	4.304
35-6-S	40.21	40.21	1787.70	9.96	4.180
35-7-S	40.21	40.21	1787.67	9.90	4.070
35-8-S	40.21	40.21	1787.68	9.91	3.982
35-9-S	40.21	40.21	1787.73	10.01	3.911
35-10-S	40.21	40.21	1787.84	10.21	3.853
35-11-S	40.21	40.21	1788.03	10.56	3.808
35-12-S	40.21	40.21	1788.24	10.97	3.767
35-13-S	40.21	40.21	1788.46	11.36	3.726
35-14-S	40.21	40.21	1788.67	11.75	3.685
35-15-S	40.21	40.21	1788.88	12.14	3.648
35-16-S	40.21	40.21	1789.11	12.57	3.621
35-17-S	40.21	40.21	1789.35	13.02	3.596
35-18-S	40.21	40.21	1789.79	13.84	3.622
35-19-S	40.21	40.21	1790.44	15.04	3.706
35-20-S	40.21	40.21	1791.11	16.29	3.785
35-21-S	40.21	40.21	1791.81	17.59	3.860
35-22-S	40.21	40.21	1792.53	18.93	3.936
35-23-S	40.21	40.21	1793.28	20.31	4.013
35-24-S	40.21	40.21	-1771.54	-19.57	3.918
35-25-S	40.21	48.25	2053.05	30.34	4.834
35-26-S	40.21	48.25	-2704.03	-34.43	5.638
35-27-S	40.21	56.30	-3485.52	-45.89	7.132
35-28-S	40.21	64.34	-3976.25	-48.37	7.933
35-29-S	40.21	72.38	-4897.97	-59.10	9.468
35-30-S	40.21	72.38	3040.11	0.00	9.879
35-31-S	40.21	64.34	-4758.16	-50.75	8.730
35-32-S	40.21	56.30	-4175.71	-42.18	7.844
35-33-S	40.21	48.25	-3590.16	-33.96	6.861
35-34-S	40.21	40.21	-3001.18	-26.36	5.807
35-35-S	40.21	40.21	-3003.06	-24.34	5.862
35-36-S	40.21	40.21	3004.98	-22.16	5.850
35-37-S	40.21	40.21	3008.58	-18.32	5.296
35-38-S	40.21	40.21	3012.00	-14.66	4.774
35-39-S	40.21	40.21	3014.94	-11.52	4.297
35-40-S	40.21	40.21	3017.36	-8.94	3.875
35-41-S	40.21	40.21	3019.35	-6.81	3.501

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
35-42-S	40.21	40.21	3021.00	-5.05	3.169
35-43-S	40.21	40.21	3022.29	-3.67	2.885
35-44-S	40.21	40.21	3023.02	-2.89	2.672
35-45-S	40.21	40.21	3023.55	-2.32	2.490
35-46-S	40.21	40.21	3024.21	-1.61	2.310
35-47-S	40.21	40.21	3024.96	-0.82	2.136
35-48-S	40.21	40.21	3025.76	0.04	1.969
35-49-S	40.21	40.21	3026.36	0.70	1.842
35-50-S	40.21	40.21	3026.64	1.02	1.761
35-51-S	40.21	40.21	3026.89	1.29	1.685
35-52-S	40.21	40.21	3027.11	1.54	1.612
35-53-S	40.21	40.21	3027.37	1.83	1.541
35-54-S	40.21	40.21	3027.69	2.17	1.471
35-55-S	40.21	40.21	3028.06	2.58	1.408
35-56-S	40.21	40.21	3028.38	2.95	1.380
35-57-S	40.21	40.21	3028.62	3.21	1.352
35-58-S	40.21	40.21	3028.78	3.38	1.325
35-59-S	40.21	40.21	3028.93	3.55	1.298
35-60-S	40.21	40.21	3029.07	3.71	1.272
35-61-S	40.21	40.21	3029.22	3.88	1.249
35-62-S	40.21	40.21	3029.64	4.34	1.254
35-63-S	40.21	40.21	3030.19	4.95	1.261
35-64-S	40.21	48.25	3035.70	5.72	1.271
35-65-S	40.21	56.30	3040.42	6.62	1.280
35-66-S	40.21	64.34	3044.43	7.52	1.291
35-67-S	40.21	72.38	3047.81	8.37	1.329
35-68-S	40.21	72.38	2769.07	7.81	1.243
35-69-S	40.21	64.34	2488.18	7.07	1.148
35-70-S	40.21	56.30	2486.04	7.66	1.178
35-71-S	40.21	48.25	2204.79	6.62	1.071
35-72-S	48.25	48.25	2306.79	6.62	1.147
35-73-S	48.25	40.21	2135.83	5.71	1.113
35-74-S	48.25	40.21	2136.06	6.15	1.167
35-75-S	40.21	40.21	1785.33	5.55	1.025
35-76-S	40.21	40.21	1785.57	6.00	1.080
35-77-S	40.21	40.21	1785.80	6.43	1.138
35-78-S	40.21	40.21	1785.97	6.74	1.199
35-79-S	40.21	40.21	1785.99	6.78	1.275
35-80-S	40.21	40.21	1785.89	6.59	1.349
35-81-S	40.21	40.21	1785.73	6.30	1.427
35-82-S	40.21	40.21	1785.57	5.99	1.516
35-83-S	40.21	40.21	1785.37	5.63	1.613
35-84-S	40.21	40.21	1785.12	5.16	1.722
35-85-S	40.21	40.21	1784.58	4.17	1.835
35-86-S	40.21	40.21	1783.98	3.05	1.949
35-87-S	40.21	40.21	1783.36	1.89	2.058
35-88-S	40.21	40.21	1782.68	0.63	2.172
35-89-S	40.21	40.21	1781.91	-0.78	2.299
35-90-S	40.21	40.21	1781.04	-2.34	2.433
35-91-S	40.21	40.21	1780.23	-3.80	2.542
35-92-S	40.21	40.21	1779.59	-4.96	2.652
35-93-S	40.21	40.21	1779.11	-5.82	2.766
35-94-S	40.21	40.21	1778.62	-6.70	2.889
35-95-S	32.17	32.17	1422.84	-5.78	2.992
35-96-S	16.08	16.08	711.47	-2.87	3.254
36-1-S	32.17	32.17	1426.44	4.62	7.318
36-2-S	32.17	32.17	1429.81	5.07	3.904
36-3-S	40.21	40.21	1785.81	6.44	4.531
36-4-S	40.21	40.21	1785.84	6.50	4.427
36-5-S	40.21	40.21	1785.86	6.53	4.328
36-6-S	40.21	40.21	1785.82	6.46	4.240
36-7-S	40.21	40.21	1785.76	6.35	4.148
36-8-S	40.21	40.21	1785.71	6.26	4.041
36-9-S	40.21	40.21	1785.67	6.18	3.935
36-10-S	40.21	40.21	1785.63	6.11	3.832
36-11-S	40.21	40.21	1785.60	6.05	3.718
36-12-S	40.21	40.21	1785.56	5.99	3.594
36-13-S	40.21	40.21	1785.61	6.07	3.493
36-14-S	40.21	40.21	1785.75	6.34	3.430
36-15-S	40.21	40.21	1785.97	6.75	3.392
36-16-S	40.21	40.21	1786.19	7.15	3.356
36-17-S	40.21	40.21	1786.41	7.55	3.308
36-18-S	40.21	40.21	1786.62	7.94	3.245
36-19-S	40.21	40.21	1786.82	8.31	3.171
36-20-S	40.21	40.21	1787.01	8.67	3.101
36-21-S	40.21	40.21	1787.25	9.12	3.055
36-22-S	40.21	40.21	1787.69	9.94	3.084
36-23-S	40.21	40.21	2039.46	13.90	3.579
36-24-S	40.21	56.30	2299.44	18.88	4.084
36-25-S	40.21	64.34	2557.49	24.90	4.571
36-26-S	40.21	72.38	2817.37	31.99	5.036
36-27-S	40.21	80.42	3079.32	40.15	5.470
36-28-S	40.21	72.38	3081.49	44.96	5.728
36-29-S	40.21	56.30	-4162.21	-56.83	5.609
36-30-S	40.21	48.25	-3578.94	-46.07	4.769
36-31-S	40.21	40.21	-2991.76	-36.48	3.924
36-32-S	40.21	40.21	-2993.24	-34.89	3.846
36-33-S	40.21	40.21	-2994.67	-33.36	3.810
36-34-S	40.21	40.21	-2995.45	-32.52	3.850

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
36-35-S	40.21	40.21	-2996.01	-31.92	3.888
36-36-S	40.21	40.21	-2996.32	-31.58	3.906
36-37-S	40.21	40.21	-2996.74	-31.13	3.909
36-38-S	40.21	40.21	-2997.12	-30.72	3.897
36-39-S	40.21	40.21	-2997.80	-30.00	4.013
36-40-S	40.21	40.21	-2999.09	-28.61	4.252
36-41-S	40.21	40.21	-3000.39	-27.21	4.514
36-42-S	40.21	40.21	3005.05	-22.09	4.036
36-43-S	40.21	40.21	3008.59	-18.30	3.630
36-44-S	40.21	40.21	3011.51	-15.18	3.285
36-45-S	40.21	40.21	3014.52	-11.98	2.956
36-46-S	40.21	40.21	3017.54	-8.75	2.643
36-47-S	40.21	40.21	3020.34	-5.76	2.358
36-48-S	40.21	40.21	3022.25	-3.71	2.141
36-49-S	40.21	40.21	3023.51	-2.36	1.975
36-50-S	40.21	40.21	3024.62	-1.18	1.828
36-51-S	40.21	40.21	3025.75	0.03	1.690
36-52-S	40.21	40.21	3026.82	1.22	1.563
36-53-S	40.21	40.21	3027.70	2.19	1.473
36-54-S	40.21	40.21	3028.47	3.04	1.401
36-55-S	40.21	40.21	3029.19	3.84	1.332
36-56-S	40.21	40.21	3029.79	4.51	1.268
36-57-S	40.21	40.21	3030.28	5.05	1.209
36-58-S	40.21	40.21	3030.70	5.51	1.172
36-59-S	40.21	40.21	3031.07	5.92	1.150
36-60-S	40.21	40.21	3031.46	6.35	1.126
36-61-S	40.21	40.21	3031.82	6.75	1.102
36-62-S	40.21	40.21	3032.11	7.08	1.078
36-63-S	40.21	40.21	3032.38	7.38	1.058
36-64-S	40.21	40.21	3032.71	7.74	1.058
36-65-S	40.21	40.21	3033.05	8.12	1.059
36-66-S	40.21	40.21	3033.41	8.52	1.060
36-67-S	40.21	40.21	3033.77	8.92	1.061
36-68-S	40.21	40.21	3034.19	9.38	1.063
36-69-S	40.21	40.21	3034.66	9.90	1.089
36-70-S	40.21	40.21	3035.31	10.63	1.121
36-71-S	40.21	40.21	3036.14	11.54	1.152
36-72-S	40.21	48.25	3041.97	12.62	1.185
36-73-S	40.21	56.30	3046.95	13.77	1.219
36-74-S	40.21	72.38	3053.92	15.00	1.257
36-75-S	40.21	80.42	3057.21	16.21	1.318
36-76-S	40.21	72.38	2802.93	14.93	1.277
36-77-S	40.21	64.34	2548.69	13.47	1.227
36-78-S	40.21	56.30	2294.56	11.84	1.166
36-79-S	40.21	40.21	2037.12	10.07	1.092
36-80-S	40.21	40.21	1786.78	8.25	1.009
36-81-S	40.21	40.21	1787.13	8.90	1.080
36-82-S	40.21	40.21	1787.54	9.66	1.167
36-83-S	40.21	40.21	1788.00	10.51	1.266
36-84-S	40.21	40.21	1788.38	11.22	1.370
36-85-S	40.21	40.21	1788.64	11.70	1.474
36-86-S	40.21	40.21	1788.70	11.81	1.572
36-87-S	40.21	40.21	1788.44	11.33	1.675
36-88-S	40.21	40.21	1788.10	10.70	1.789
36-89-S	40.21	40.21	1787.70	9.96	1.918
36-90-S	40.21	40.21	1787.23	9.09	2.062
36-91-S	40.21	40.21	1786.70	8.10	2.211
36-92-S	40.21	40.21	1786.08	6.95	2.355
36-93-S	40.21	40.21	1785.27	5.45	2.480
36-94-S	40.21	40.21	1784.40	3.82	2.616
36-95-S	40.21	40.21	1783.41	2.00	2.771
36-96-S	40.21	40.21	1782.36	0.03	2.947
36-97-S	40.21	40.21	1781.73	-1.10	3.161
36-98-S	40.21	40.21	1781.37	-1.75	3.417
36-99-S	40.21	40.21	1780.96	-2.49	3.715
36-100-S	32.17	32.17	1425.62	-2.63	3.408
36-101-S	16.08	16.08	713.22	-1.25	3.412
37-1-S	40.21	40.21	1781.58	3.41	8.449
37-2-S	40.21	40.21	1784.43	3.89	4.931
37-3-S	40.21	40.21	1784.43	3.88	4.698
37-4-S	40.21	40.21	1784.43	3.88	4.488
37-5-S	40.21	40.21	1784.43	3.89	4.301
37-6-S	40.21	40.21	1784.36	3.76	4.198
37-7-S	40.21	40.21	1784.27	3.58	4.116
37-8-S	40.21	40.21	1784.17	3.40	4.038
37-9-S	40.21	40.21	1784.08	3.23	3.948
37-10-S	40.21	40.21	1784.01	3.10	3.841
37-11-S	40.21	40.21	1784.01	3.09	3.717
37-12-S	40.21	40.21	1784.04	3.16	3.592
37-13-S	40.21	40.21	1784.07	3.21	3.474
37-14-S	40.21	40.21	1784.10	3.27	3.364
37-15-S	40.21	40.21	1784.13	3.32	3.261
37-16-S	40.21	40.21	1784.15	3.35	3.150
37-17-S	40.21	40.21	1784.20	3.45	3.041
37-18-S	40.21	40.21	1784.36	3.75	2.956
37-19-S	40.21	40.21	1784.60	4.19	2.897
37-20-S	40.21	40.21	1784.83	4.62	2.841
37-21-S	40.21	40.21	1785.05	5.03	2.788
37-22-S	40.21	48.25	2038.57	6.82	3.121

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
37-23-S	40.21	64.34	2546.68	10.86	3.802
37-24-S	40.21	72.38	3055.06	16.24	4.438
37-25-S	40.21	80.42	3057.99	17.06	4.369
37-26-S	40.21	72.38	3057.15	18.52	4.349
37-27-S	40.21	56.30	3052.69	20.06	4.333
37-28-S	40.21	48.25	-3569.00	-56.80	3.727
37-29-S	40.21	40.21	-2984.00	-44.81	2.947
37-30-S	40.21	40.21	-2984.98	-43.77	2.829
37-31-S	40.21	40.21	-2985.35	-43.37	2.744
37-32-S	40.21	40.21	-2985.46	-43.25	2.688
37-33-S	40.21	40.21	-2985.35	-43.36	2.657
37-34-S	40.21	40.21	-2985.69	-43.00	2.662
37-35-S	40.21	40.21	-2986.49	-42.14	2.660
37-36-S	40.21	40.21	-2987.49	-41.07	2.639
37-37-S	40.21	40.21	-2988.62	-39.85	2.596
37-38-S	40.21	40.21	-2989.62	-38.78	2.544
37-39-S	40.21	40.21	-2989.96	-38.42	2.619
37-40-S	40.21	40.21	-2990.06	-38.31	2.783
37-41-S	40.21	40.21	-2990.16	-38.21	2.945
37-42-S	40.21	40.21	-2990.37	-37.98	3.103
37-43-S	40.21	40.21	-2991.01	-37.29	3.258
37-44-S	40.21	40.21	-2992.12	-36.10	3.406
37-45-S	40.21	40.21	2994.36	-33.52	3.546
37-46-S	40.21	40.21	3002.46	-24.86	3.064
37-47-S	40.21	40.21	-3065.45	44.35	2.611
37-48-S	40.21	40.21	-3061.18	39.58	2.263
37-49-S	40.21	40.21	-3058.29	36.36	2.026
37-50-S	40.21	40.21	-3055.90	33.68	1.838
37-51-S	40.21	40.21	-3054.24	31.83	1.709
37-52-S	40.21	40.21	3025.30	-0.45	1.566
37-53-S	40.21	40.21	3026.90	1.31	1.443
37-54-S	40.21	40.21	3028.42	2.99	1.333
37-55-S	40.21	40.21	3029.80	4.51	1.240
37-56-S	40.21	40.21	3030.82	5.65	1.167
37-57-S	40.21	40.21	3031.69	6.61	1.107
37-58-S	40.21	40.21	3032.70	7.74	1.051
37-59-S	48.25	40.21	3631.27	10.75	1.191
37-60-S	48.25	40.21	3632.19	11.78	1.148
37-61-S	48.25	40.21	3632.69	12.34	1.122
37-62-S	48.25	40.21	3633.16	12.87	1.096
37-63-S	48.25	40.21	3633.64	13.40	1.069
37-64-S	48.25	40.21	3634.15	13.97	1.045
37-65-S	48.25	40.21	3634.62	14.48	1.045
37-66-S	48.25	40.21	3635.07	15.00	1.045
37-67-S	48.25	40.21	3635.55	15.52	1.044
37-68-S	48.25	40.21	3636.02	16.05	1.044
37-69-S	48.25	40.21	3636.49	16.57	1.055
37-70-S	48.25	40.21	3636.97	17.11	1.087
37-71-S	48.25	40.21	3637.48	17.68	1.120
37-72-S	48.25	40.21	3638.03	18.29	1.156
37-73-S	48.25	40.21	3638.64	18.97	1.193
37-74-S	40.21	40.21	3040.68	16.57	1.028
37-75-S	40.21	40.21	3041.40	17.37	1.066
37-76-S	40.21	40.21	3042.17	18.23	1.116
37-77-S	40.21	48.25	3048.10	19.37	1.174
37-78-S	40.21	56.30	3053.26	20.69	1.238
37-79-S	40.21	72.38	3060.51	22.16	1.310
37-80-S	40.21	80.42	3064.19	23.78	1.390
37-81-S	40.21	72.38	3063.74	25.67	1.483
37-82-S	40.21	64.34	2553.82	20.13	1.347
37-83-S	40.21	48.25	2043.20	14.34	1.174
37-84-S	40.21	40.21	1788.77	11.94	1.114
37-85-S	40.21	40.21	1789.36	13.03	1.211
37-86-S	40.21	40.21	1790.06	14.33	1.327
37-87-S	40.21	40.21	1790.77	15.66	1.465
37-88-S	40.21	40.21	1791.42	16.86	1.623
37-89-S	40.21	40.21	1791.89	17.73	1.792
37-90-S	40.21	40.21	1792.10	18.12	1.964
37-91-S	40.21	40.21	1792.03	18.00	2.135
37-92-S	40.21	40.21	1791.88	17.71	2.320
37-93-S	40.21	40.21	1791.52	17.05	2.506
37-94-S	40.21	40.21	1790.91	15.92	2.687
37-95-S	40.21	40.21	1790.20	14.59	2.892
37-96-S	40.21	40.21	1789.37	13.06	3.124
37-97-S	40.21	40.21	1788.43	11.31	3.384
37-98-S	40.21	40.21	1787.32	9.24	3.693
37-99-S	40.21	40.21	1786.62	7.96	4.005
37-100-S	40.21	40.21	1786.07	6.93	4.272
37-101-S	40.21	40.21	1785.30	5.50	4.522
37-102-S	40.21	40.21	1784.42	3.86	4.794
37-103-S	40.21	40.21	1784.18	3.43	5.076
37-104-S	24.13	24.13	1070.44	1.74	5.206
38-1-S	40.21	40.21	1781.09	1.52	8.208
38-2-S	40.21	40.21	1783.32	1.82	5.510
38-3-S	40.21	40.21	1783.32	1.81	5.230
38-4-S	40.21	40.21	1783.31	1.81	4.978
38-5-S	40.21	40.21	1783.33	1.83	4.751
38-6-S	40.21	40.21	1783.35	1.87	4.552
38-7-S	40.21	40.21	1783.29	1.76	4.390

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
38-8-S	40.21	40.21	1783.20	1.61	4.231
38-9-S	40.21	40.21	1783.13	1.47	4.068
38-10-S	40.21	40.21	1783.07	1.36	3.908
38-11-S	40.21	40.21	1783.02	1.26	3.764
38-12-S	40.21	40.21	1782.97	1.16	3.633
38-13-S	40.21	40.21	1782.95	1.14	3.512
38-14-S	40.21	40.21	1783.02	1.26	3.406
38-15-S	40.21	40.21	1783.08	1.37	3.286
38-16-S	40.21	40.21	1783.13	1.46	3.150
38-17-S	40.21	40.21	1783.17	1.54	3.010
38-18-S	40.21	40.21	1783.21	1.62	2.884
38-19-S	40.21	40.21	1783.25	1.68	2.768
38-20-S	40.21	40.21	1783.29	1.76	2.663
38-21-S	40.21	48.25	2202.27	2.83	3.189
38-22-S	40.21	64.34	2764.18	4.77	3.888
38-23-S	40.21	80.42	3048.11	6.36	4.172
38-24-S	40.21	80.42	3048.39	6.66	4.059
38-25-S	40.21	72.38	3046.51	6.95	3.950
38-26-S	40.21	56.30	3040.97	7.22	3.842
38-27-S	40.21	40.21	-2967.52	-62.52	2.885
38-28-S	40.21	40.21	-2971.41	-58.34	2.652
38-29-S	40.21	40.21	-2973.52	-56.07	2.473
38-30-S	40.21	40.21	-2974.68	-54.82	2.357
38-31-S	40.21	40.21	-2975.65	-53.78	2.260
38-32-S	40.21	40.21	-2976.57	-52.79	2.169
38-33-S	40.21	40.21	-2977.64	-51.65	2.068
38-34-S	40.21	40.21	-2979.07	-50.12	1.939
38-35-S	40.21	40.21	-2980.36	-48.73	1.832
38-36-S	40.21	40.21	-2980.92	-48.12	1.811
38-37-S	40.21	40.21	-2981.56	-47.44	1.792
38-38-S	40.21	40.21	-2982.17	-46.78	1.763
38-39-S	40.21	40.21	-2982.76	-46.15	1.723
38-40-S	40.21	40.21	-2982.39	-46.55	1.790
38-41-S	40.21	40.21	-2981.94	-47.03	1.878
38-42-S	40.21	40.21	-2982.15	-46.80	1.957
38-43-S	40.21	40.21	-2983.25	-45.62	2.051
38-44-S	40.21	40.21	-2985.15	-43.58	2.174
38-45-S	40.21	40.21	-2988.28	-40.22	2.287
38-46-S	40.21	40.21	-2991.20	-37.09	2.456
38-47-S	40.21	40.21	-3442.59	-46.27	3.164
38-48-S	40.21	48.25	3453.60	-40.58	3.433
38-49-S	40.21	48.25	-4828.98	77.26	3.235
38-50-S	40.21	56.30	3942.52	-21.92	2.860
38-51-S	40.21	56.30	-5593.86	67.09	2.450
38-52-S	40.21	48.25	-5375.78	59.65	2.068
38-53-S	40.21	48.25	-5368.58	54.10	1.875
38-54-S	40.21	40.21	-4485.55	44.16	1.524
38-55-S	40.21	48.25	4438.20	4.81	1.789
38-56-S	40.21	48.25	4441.84	7.58	1.641
38-57-S	40.21	56.30	3979.68	8.61	1.358
38-58-S	40.21	56.30	3982.86	11.29	1.260
38-59-S	40.21	48.25	3980.88	13.74	1.178
38-60-S	64.34	48.25	5299.59	19.10	1.487
38-61-S	64.34	40.21	5445.55	22.18	1.448
38-62-S	64.34	40.21	4821.33	18.71	1.217
38-63-S	64.34	40.21	4823.44	21.09	1.183
38-64-S	64.34	40.21	4825.60	23.51	1.156
38-65-S	64.34	40.21	4827.28	25.41	1.129
38-66-S	64.34	40.21	4828.78	27.09	1.123
38-67-S	64.34	40.21	4829.88	28.33	1.129
38-68-S	64.34	40.21	4830.66	29.21	1.133
38-69-S	64.34	40.21	4831.35	29.98	1.145
38-70-S	64.34	40.21	4832.03	30.75	1.171
38-71-S	64.34	40.21	4832.77	31.59	1.196
38-72-S	64.34	40.21	4833.53	32.44	1.225
38-73-S	64.34	40.21	4834.31	33.31	1.258
38-74-S	64.34	40.21	4835.09	34.20	1.305
38-75-S	64.34	40.21	4835.90	35.11	1.366
38-76-S	64.34	40.21	4836.77	36.09	1.446
38-77-S	64.34	40.21	4837.71	37.15	1.534
38-78-S	40.21	40.21	3047.14	23.73	1.016
38-79-S	40.21	40.21	3047.33	23.94	1.067
38-80-S	40.21	40.21	3047.75	24.40	1.123
38-81-S	40.21	40.21	3048.40	25.12	1.190
38-82-S	40.21	56.30	3058.50	26.43	1.278
38-83-S	40.21	72.38	3066.90	29.11	1.389
38-84-S	40.21	80.42	3072.05	32.28	1.518
38-85-S	40.21	80.42	3075.54	36.06	1.671
38-86-S	40.21	64.34	2816.89	34.33	1.696
38-87-S	40.21	48.25	2301.20	25.84	1.533
38-88-S	40.21	40.21	1791.47	16.95	1.308
38-89-S	40.21	40.21	1792.19	18.29	1.438
38-90-S	40.21	40.21	1793.06	19.91	1.598
38-91-S	40.21	40.21	1794.16	21.95	1.797
38-92-S	40.21	40.21	1795.57	24.57	2.054
38-93-S	40.21	40.21	1797.04	27.30	2.360
38-94-S	40.21	40.21	1798.08	29.24	2.679
38-95-S	40.21	40.21	1798.12	29.30	2.936
38-96-S	40.21	40.21	1798.10	29.28	3.241

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
38-97-S	40.21	40.21	1797.93	28.95	3.588
38-98-S	40.21	40.21	1783.10	1.41	3.936
38-99-S	40.21	40.21	1783.15	1.50	4.137
38-100-S	40.21	40.21	1783.21	1.61	4.355
38-101-S	40.21	40.21	1783.26	1.71	4.476
38-102-S	40.21	40.21	1783.31	1.80	4.611
38-103-S	40.21	40.21	1783.33	1.84	4.777
38-104-S	40.21	40.21	1783.34	1.85	4.988
38-105-S	40.21	40.21	1783.33	1.84	5.234
38-106-S	40.21	40.21	1783.35	1.88	5.506
38-107-S	24.13	24.13	1070.87	1.05	4.902
39-1-S	40.21	40.21	1782.56	0.52	6.552
39-2-S	40.21	40.21	1782.63	0.53	6.119
39-3-S	40.21	40.21	1782.65	0.57	5.785
39-4-S	40.21	40.21	1782.69	0.64	5.499
39-5-S	40.21	40.21	1782.68	0.64	5.253
39-6-S	40.21	40.21	1782.65	0.57	5.061
39-7-S	40.21	40.21	1782.58	0.44	4.904
39-8-S	40.21	40.21	1782.51	0.32	4.731
39-9-S	40.21	40.21	1782.45	0.20	4.486
39-10-S	40.21	40.21	1782.39	0.09	4.264
39-11-S	40.21	40.21	1782.34	0.00	4.065
39-12-S	40.21	40.21	1782.31	-0.06	3.886
39-13-S	40.21	40.21	1782.28	-0.10	3.725
39-14-S	40.21	40.21	1782.27	-0.13	3.579
39-15-S	40.21	40.21	1782.25	-0.15	3.382
39-16-S	40.21	40.21	1782.27	-0.12	3.201
39-17-S	40.21	40.21	1782.32	-0.04	3.053
39-18-S	40.21	40.21	1782.39	0.08	2.931
39-19-S	40.21	40.21	1782.46	0.23	2.824
39-20-S	40.21	40.21	2031.19	0.37	3.103
39-21-S	40.21	64.34	2788.51	0.68	4.079
39-22-S	40.21	80.42	3042.74	0.55	4.231
39-23-S	40.21	80.42	3042.37	0.14	4.029
39-24-S	40.21	80.42	3042.07	-0.17	3.851
39-25-S	40.21	56.30	3034.15	-0.25	3.698
39-26-S	40.21	40.21	-2947.65	-83.86	3.012
39-27-S	40.21	40.21	-2953.30	-77.79	2.757
39-28-S	40.21	40.21	-2957.88	-72.87	2.492
39-29-S	40.21	40.21	-2961.54	-68.94	2.261
39-30-S	40.21	40.21	-2964.55	-65.70	2.068
39-31-S	40.21	40.21	-2967.10	-62.97	1.906
39-32-S	40.21	40.21	-2968.96	-60.98	1.781
39-33-S	40.21	40.21	-2970.69	-59.12	1.656
39-34-S	40.21	40.21	-2972.37	-57.31	1.548
39-35-S	40.21	40.21	-2973.82	-55.75	1.460
39-36-S	40.21	40.21	-2975.32	-54.14	1.368
39-37-S	40.21	40.21	-2976.76	-52.59	1.279
39-38-S	40.21	40.21	-2976.96	-52.38	1.250
39-39-S	40.21	40.21	-2977.54	-51.76	1.231
39-40-S	40.21	40.21	-2979.84	-49.28	1.201
39-41-S	40.21	56.30	-4155.09	-64.55	1.685
39-42-S	40.21	56.30	-4750.41	-79.44	2.001
39-43-S	40.21	72.38	-7028.72	-124.43	3.059
39-44-S	40.21	80.42	-8634.95	-154.75	3.943
39-45-S	56.30	96.51	-11328.47	-201.59	5.502
39-46-S	56.30	104.55	-13405.12	-231.21	6.876
39-47-S	56.30	96.51	-12411.10	-202.62	7.181
39-48-S	56.30	88.47	-11405.29	-179.50	7.726
39-49-S	56.30	80.42	7279.09	-143.58	7.683
39-50-S	56.30	64.34	7353.19	-90.85	6.350
39-51-S	56.30	56.30	-7726.90	147.63	4.055
39-52-S	56.30	56.30	-7653.37	100.91	2.561
39-53-S	56.30	56.30	-7614.28	76.08	1.821
39-54-S	56.30	56.30	-7593.22	62.69	1.461
39-55-S	56.30	56.30	-7580.81	54.81	1.277
39-56-S	56.30	56.30	-7590.54	60.99	1.476
39-57-S	56.30	56.30	-7612.69	75.06	1.908
39-58-S	56.30	56.30	7524.43	19.17	2.219
39-59-S	56.30	56.30	7532.66	24.37	2.022
39-60-S	56.30	64.34	7550.47	29.66	1.877
39-61-S	56.30	80.42	7574.20	34.79	1.752
39-62-S	56.30	88.47	7588.35	39.60	1.646
39-63-S	56.30	96.51	7604.73	44.72	1.560
39-64-S	56.30	104.55	7460.03	49.58	1.477
39-65-S	56.30	96.51	6979.77	49.67	1.339
39-66-S	56.30	80.42	6334.14	46.20	1.179
39-67-S	56.30	72.38	5694.22	42.14	1.050
39-68-S	72.38	56.30	6260.77	44.96	1.162
39-69-S	72.38	56.30	5452.46	37.79	1.019
39-70-S	72.38	40.21	5428.42	41.25	1.037
39-71-S	72.38	40.21	5431.04	44.21	1.072
39-72-S	72.38	40.21	5432.70	46.09	1.104
39-73-S	72.38	40.21	5433.73	47.26	1.143
39-74-S	72.38	40.21	5434.59	48.23	1.221
39-75-S	56.30	40.21	4248.99	38.51	1.017
39-76-S	56.30	40.21	4249.78	39.39	1.072
39-77-S	56.30	40.21	4250.67	40.39	1.129
39-78-S	56.30	40.21	4251.61	41.44	1.197

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
39-79-S	56.30	40.21	4252.57	42.51	1.282
39-80-S	56.30	40.21	4253.34	43.38	1.367
39-81-S	40.21	40.21	3054.49	31.87	1.051
39-82-S	40.21	40.21	3055.26	32.73	1.130
39-83-S	40.21	40.21	3056.16	33.72	1.222
39-84-S	40.21	40.21	3057.63	35.35	1.328
39-85-S	40.21	56.30	3069.56	38.54	1.450
39-86-S	40.21	80.42	3081.32	42.32	1.593
39-87-S	40.21	80.42	3085.10	46.41	1.763
39-88-S	40.21	80.42	3089.67	51.36	1.973
39-89-S	40.21	64.34	2828.95	48.63	2.044
39-90-S	40.21	40.21	2048.63	28.89	1.663
39-91-S	40.21	40.21	1795.41	24.27	1.622
39-92-S	40.21	40.21	1796.81	26.88	1.828
39-93-S	40.21	40.21	1798.57	30.14	2.093
39-94-S	40.21	40.21	1800.85	34.37	2.447
39-95-S	40.21	40.21	1804.03	40.29	2.946
39-96-S	40.21	40.21	1806.52	44.92	3.470
39-97-S	40.21	40.21	1782.34	0.00	3.843
39-98-S	40.21	40.21	1782.29	-0.09	4.017
39-99-S	40.21	40.21	1782.25	-0.16	4.210
39-100-S	40.21	40.21	1782.22	-0.21	4.427
39-101-S	40.21	40.21	1782.24	-0.18	4.669
39-102-S	40.21	40.21	1782.32	-0.04	4.838
39-103-S	40.21	40.21	1782.42	0.14	5.021
39-104-S	40.21	40.21	1782.54	0.38	5.230
39-105-S	40.21	40.21	1782.69	0.64	5.458
39-106-S	40.21	40.21	1782.73	0.73	5.713
39-107-S	40.21	40.21	1782.75	0.76	5.981
39-108-S	40.21	40.21	1782.79	0.83	6.255
39-109-S	40.21	40.21	1782.78	0.94	6.591
40-1-S	40.21	40.21	1782.33	-0.01	7.477
40-2-S	40.21	40.21	1782.32	-0.03	7.135
40-3-S	40.21	40.21	1782.32	-0.04	6.830
40-4-S	40.21	40.21	1782.33	-0.02	6.536
40-5-S	40.21	40.21	1782.24	-0.17	6.231
40-6-S	40.21	40.21	1782.12	-0.40	5.943
40-7-S	40.21	40.21	1782.01	-0.59	5.684
40-8-S	40.21	40.21	1781.93	-0.74	5.456
40-9-S	40.21	40.21	1781.86	-0.86	5.213
40-10-S	40.21	40.21	1781.83	-0.92	4.909
40-11-S	40.21	40.21	1781.82	-0.94	4.648
40-12-S	40.21	40.21	1781.82	-0.94	4.421
40-13-S	40.21	40.21	1781.83	-0.92	4.222
40-14-S	40.21	40.21	1781.85	-0.89	4.040
40-15-S	40.21	40.21	1781.85	-0.89	3.784
40-16-S	40.21	40.21	1781.85	-0.88	3.541
40-17-S	40.21	40.21	1781.86	-0.86	3.331
40-18-S	40.21	40.21	1781.88	-0.83	3.151
40-19-S	40.21	40.21	1781.90	-0.79	2.993
40-20-S	40.21	64.34	2786.28	-1.91	4.452
40-21-S	40.21	80.42	3039.90	-2.46	4.594
40-22-S	40.21	80.42	3039.70	-2.67	4.365
40-23-S	40.21	80.42	3039.56	-2.81	4.167
40-24-S	40.21	56.30	3031.67	-2.88	3.983
40-25-S	40.21	40.21	-2923.00	-110.34	3.438
40-26-S	40.21	40.21	-2930.65	-102.12	3.125
40-27-S	40.21	40.21	-2938.08	-94.14	2.724
40-28-S	40.21	40.21	-2944.03	-87.75	2.382
40-29-S	40.21	40.21	-2948.64	-82.80	2.127
40-30-S	40.21	40.21	-2952.36	-78.80	1.932
40-31-S	40.21	40.21	-2955.48	-75.45	1.778
40-32-S	40.21	40.21	-2958.50	-72.21	1.638
40-33-S	40.21	40.21	-2961.87	-68.59	1.480
40-34-S	40.21	56.30	-4130.81	-90.91	1.867
40-35-S	40.21	56.30	-4134.78	-86.59	1.694
40-36-S	40.21	56.30	-4138.20	-82.89	1.551
40-37-S	40.21	56.30	-4142.28	-78.46	1.434
40-38-S	64.34	56.30	-4169.89	-72.24	1.330
40-39-S	64.34	56.30	-4176.92	-64.72	1.241
40-40-S	64.34	64.34	-5858.19	-106.37	1.672
40-41-S	64.34	88.47	-9740.98	-195.66	2.666
40-42-S	64.34	112.59	-14368.76	-294.16	3.843
40-43-S	64.34	112.59	-14382.19	-285.82	4.052
40-44-S	64.34	104.55	-13383.04	-260.15	3.957
40-45-S	64.34	80.42	-10340.57	-200.49	3.275
40-46-S	64.34	56.30	-7257.08	-146.09	2.572
40-47-S	64.34	56.30	-7241.63	-155.26	2.875
40-48-S	64.34	56.30	-7223.88	-165.79	3.233
40-49-S	64.34	56.30	-7205.88	-176.47	3.717
40-50-S	64.34	56.30	-7198.51	-180.84	4.515
40-51-S	64.34	56.30	-7212.09	-172.79	5.910
40-52-S	64.34	56.30	-7769.94	163.49	4.585
40-53-S	64.34	56.30	-7692.17	114.87	2.793
40-54-S	64.34	56.30	-7639.61	82.90	1.881
40-55-S	64.34	56.30	-7623.75	73.26	1.649
40-56-S	64.34	56.30	-7627.52	75.55	1.747
40-57-S	64.34	56.30	-7644.53	85.90	2.066
40-58-S	64.34	56.30	8607.74	36.87	2.315

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
40-59-S	64.34	56.30	8633.94	53.46	2.065
40-60-S	64.34	56.30	8640.12	57.37	1.879
40-61-S	64.34	56.30	8647.83	62.25	1.719
40-62-S	64.34	56.30	8656.83	67.95	1.581
40-63-S	64.34	56.30	8663.72	72.31	1.473
40-64-S	64.34	56.30	8666.34	73.97	1.404
40-65-S	64.34	56.30	8671.08	76.97	1.342
40-66-S	64.34	80.42	8708.50	80.17	1.301
40-67-S	64.34	104.55	8737.43	84.16	1.296
40-68-S	64.34	112.59	8754.33	90.94	1.294
40-69-S	64.34	112.59	8767.05	98.80	1.298
40-70-S	64.34	88.47	7824.17	87.15	1.192
40-71-S	88.47	64.34	8654.69	86.85	1.365
40-72-S	88.47	56.30	6647.20	56.90	1.092
40-73-S	88.47	56.30	6653.62	64.11	1.170
40-74-S	88.47	56.30	6658.62	69.72	1.261
40-75-S	88.47	40.21	6615.74	71.79	1.340
40-76-S	64.34	40.21	4853.06	54.41	1.063
40-77-S	64.34	40.21	4854.89	56.47	1.159
40-78-S	64.34	40.21	4856.02	57.75	1.243
40-79-S	64.34	40.21	4857.28	59.16	1.336
40-80-S	64.34	40.21	4858.79	60.86	1.446
40-81-S	64.34	40.21	4860.31	62.57	1.560
40-82-S	40.21	40.21	3062.28	40.51	1.058
40-83-S	40.21	40.21	3063.42	41.76	1.151
40-84-S	40.21	40.21	3064.70	43.18	1.264
40-85-S	40.21	40.21	3066.24	44.90	1.405
40-86-S	40.21	40.21	3069.15	48.11	1.539
40-87-S	40.21	56.30	3082.20	52.40	1.695
40-88-S	40.21	80.42	3095.43	57.59	1.885
40-89-S	40.21	80.42	3101.24	63.89	2.116
40-90-S	40.21	80.42	3108.27	71.50	2.408
40-91-S	40.21	64.34	2845.38	68.12	2.538
40-92-S	40.21	40.21	1799.12	31.17	1.828
40-93-S	40.21	40.21	1801.17	34.97	2.091
40-94-S	40.21	40.21	1803.90	40.04	2.443
40-95-S	40.21	40.21	1807.73	47.15	2.938
40-96-S	40.21	40.21	1813.50	57.88	3.686
40-97-S	40.21	40.21	1781.81	-0.96	4.061
40-98-S	40.21	40.21	1781.77	-1.03	4.257
40-99-S	40.21	40.21	1781.76	-1.05	4.477
40-100-S	40.21	40.21	1781.78	-1.02	4.728
40-101-S	40.21	40.21	1781.80	-0.98	5.014
40-102-S	40.21	40.21	1781.83	-0.92	5.329
40-103-S	40.21	40.21	1781.90	-0.79	5.577
40-104-S	40.21	40.21	1782.00	-0.62	5.797
40-105-S	40.21	40.21	1782.11	-0.42	5.994
40-106-S	40.21	40.21	1782.23	-0.20	6.159
40-107-S	40.21	40.21	1782.32	-0.03	6.362
40-108-S	40.21	40.21	1782.36	0.03	6.655
40-109-S	40.21	40.21	1782.40	0.11	7.010
40-110-S	40.21	40.21	1782.45	0.21	7.449
41-1-S	40.21	40.21	1782.23	-0.21	8.975
41-2-S	40.21	40.21	1782.19	-0.28	8.558
41-3-S	40.21	40.21	1782.15	-0.34	8.187
41-4-S	40.21	40.21	1782.12	-0.39	7.846
41-5-S	40.21	40.21	1782.01	-0.59	7.583
41-6-S	40.21	40.21	1781.90	-0.80	7.315
41-7-S	40.21	40.21	1781.79	-0.98	7.033
41-8-S	40.21	40.21	1781.70	-1.15	6.742
41-9-S	40.21	40.21	1781.65	-1.25	6.373
41-10-S	40.21	40.21	1781.62	-1.31	5.938
41-11-S	40.21	40.21	1781.60	-1.33	5.565
41-12-S	40.21	40.21	1781.59	-1.35	5.239
41-13-S	40.21	40.21	1781.59	-1.35	4.951
41-14-S	40.21	40.21	1781.61	-1.32	4.689
41-15-S	40.21	40.21	1781.64	-1.26	4.381
41-16-S	40.21	40.21	1781.69	-1.18	4.112
41-17-S	40.21	40.21	1781.74	-1.09	3.876
41-18-S	40.21	40.21	1781.79	-0.99	3.667
41-19-S	40.21	40.21	1781.85	-0.89	3.480
41-20-S	40.21	80.42	3039.65	-2.72	5.575
41-21-S	40.21	80.42	3039.29	-3.10	5.215
41-22-S	40.21	80.42	3039.01	-3.39	4.905
41-23-S	40.21	80.42	3038.77	-3.65	4.629
41-24-S	40.21	40.21	-2888.74	-147.14	4.192
41-25-S	40.21	40.21	-2899.56	-135.52	3.781
41-26-S	40.21	40.21	-2909.38	-124.97	3.358
41-27-S	40.21	40.21	-2919.13	-114.49	2.886
41-28-S	40.21	40.21	-2927.17	-105.86	2.521
41-29-S	40.21	40.21	-2933.55	-99.01	2.239
41-30-S	40.21	40.21	-2938.63	-93.55	2.014
41-31-S	40.21	40.21	-2942.70	-89.18	1.832
41-32-S	40.21	40.21	-2947.47	-84.06	1.627
41-33-S	40.21	56.30	-4113.38	-109.82	1.988
41-34-S	40.21	56.30	-4119.17	-103.53	1.772
41-35-S	40.21	56.30	-4124.31	-97.95	1.599
41-36-S	40.21	56.30	-4132.26	-89.32	1.433
41-37-S	64.34	56.30	-4165.07	-77.40	1.273

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
41-38-S	64.34	56.30	-4174.30	-67.53	1.148
41-39-S	64.34	88.47	-9502.85	-196.81	2.357
41-40-S	64.34	112.59	-14345.47	-308.63	3.163
41-41-S	64.34	112.59	-14399.10	-275.31	2.875
41-42-S	64.34	112.59	-14439.25	-250.36	2.653
41-43-S	64.34	88.47	-11383.93	-204.17	2.058
41-44-S	64.34	56.30	-7270.91	-137.89	1.313
41-45-S	64.34	56.30	-7258.53	-145.23	1.330
41-46-S	64.34	56.30	-7202.22	-178.64	1.588
41-47-S	64.34	56.30	-7145.40	-212.36	1.888
41-48-S	64.34	56.30	-7068.26	-258.13	2.293
41-49-S	64.34	56.30	-6950.13	-328.23	2.856
41-50-S	64.34	56.30	-6768.73	-435.87	3.626
41-51-S	64.34	56.30	-6539.34	-571.99	4.737
41-52-S	64.34	56.30	7339.65	-737.07	6.278
41-53-S	64.34	56.30	7662.46	-540.41	5.051
41-54-S	64.34	56.30	8025.11	-319.48	4.279
41-55-S	64.34	56.30	8347.52	-123.06	3.638
41-56-S	64.34	56.30	8530.58	-11.53	2.975
41-57-S	64.34	56.30	8616.48	42.40	2.515
41-58-S	64.34	56.30	8711.89	102.81	2.213
41-59-S	64.34	56.30	8817.87	169.92	1.988
41-60-S	64.34	56.30	8892.49	217.17	1.801
41-61-S	64.34	56.30	8890.86	216.13	1.631
41-62-S	64.34	56.30	8855.78	193.92	1.472
41-63-S	64.34	56.30	8813.05	166.87	1.325
41-64-S	64.34	56.30	8775.55	143.12	1.203
41-65-S	64.34	56.30	8750.48	127.25	1.112
41-66-S	64.34	56.30	8734.40	117.07	1.049
41-67-S	64.34	56.30	8720.06	107.99	1.008
41-68-S	88.47	56.30	11910.65	137.49	1.334
41-69-S	88.47	88.47	11975.73	133.60	1.355
41-70-S	88.47	112.59	12014.18	134.91	1.423
41-71-S	88.47	112.59	12021.98	139.77	1.496
41-72-S	88.47	112.59	12048.37	156.19	1.620
41-73-S	88.47	88.47	9977.03	123.36	1.477
41-74-S	88.47	56.30	6653.52	64.00	1.078
41-75-S	88.47	56.30	6662.26	73.82	1.185
41-76-S	88.47	56.30	6670.83	83.44	1.313
41-77-S	64.34	40.21	4861.82	64.27	1.048
41-78-S	64.34	40.21	4864.47	67.25	1.154
41-79-S	64.34	40.21	4866.68	69.73	1.263
41-80-S	64.34	40.21	4868.50	71.79	1.378
41-81-S	64.34	40.21	4870.22	73.72	1.502
41-82-S	40.21	40.21	3068.73	47.66	1.022
41-83-S	40.21	40.21	3070.02	49.09	1.112
41-84-S	40.21	40.21	3071.56	50.79	1.219
41-85-S	40.21	40.21	3073.42	52.84	1.349
41-86-S	40.21	40.21	3075.75	55.42	1.510
41-87-S	40.21	40.21	3079.05	59.09	1.667
41-88-S	40.21	40.21	3083.43	63.94	1.837
41-89-S	40.21	80.42	3106.78	69.89	2.056
41-90-S	40.21	80.42	3113.03	76.65	2.314
41-91-S	40.21	80.42	3120.96	85.24	2.645
41-92-S	40.21	80.42	3131.51	96.66	3.087
41-93-S	40.21	40.21	1802.92	38.22	2.086
41-94-S	40.21	40.21	1805.89	43.74	2.429
41-95-S	40.21	40.21	1809.69	50.80	2.883
41-96-S	40.21	40.21	1814.68	60.06	3.505
41-97-S	40.21	40.21	1821.74	73.18	4.413
41-98-S	40.21	40.21	1781.76	-1.05	4.779
41-99-S	40.21	40.21	1781.75	-1.06	5.058
41-100-S	40.21	40.21	1781.74	-1.08	5.330
41-101-S	40.21	40.21	1781.73	-1.10	5.631
41-102-S	40.21	40.21	1781.72	-1.11	5.941
41-103-S	40.21	40.21	1781.72	-1.12	6.225
41-104-S	40.21	40.21	1781.74	-1.08	6.464
41-105-S	40.21	40.21	1781.82	-0.94	6.678
41-106-S	40.21	40.21	1781.94	-0.72	6.877
41-107-S	40.21	40.21	1782.08	-0.47	7.083
41-108-S	40.21	40.21	1782.17	-0.31	7.389
41-109-S	40.21	40.21	1782.20	-0.26	7.862
41-110-S	40.21	40.21	1782.23	-0.19	8.416
41-111-S	40.21	40.21	1782.28	-0.11	9.051
42-1-S	48.25	48.25	2137.23	-0.11	13.235
42-2-S	48.25	48.25	2137.16	-0.24	12.435
42-3-S	48.25	48.25	2137.11	-0.33	11.788
42-4-S	48.25	48.25	2137.07	-0.40	11.293
42-5-S	48.25	48.25	2136.94	-0.63	10.936
42-6-S	48.25	48.25	2136.80	-0.89	10.645
42-7-S	48.25	48.25	2136.67	-1.11	10.357
42-8-S	48.25	48.25	2136.64	-1.17	9.940
42-9-S	48.25	48.25	2136.67	-1.11	9.447
42-10-S	48.25	48.25	2136.70	-1.06	8.949
42-11-S	48.25	48.25	2136.72	-1.02	8.445
42-12-S	48.25	48.25	2136.74	-1.00	7.940
42-13-S	48.25	48.25	2136.75	-0.98	7.465
42-14-S	48.25	48.25	2136.76	-0.96	6.918
42-15-S	48.25	48.25	2136.77	-0.93	6.388

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
42-16-S	48.25	48.25	2136.79	-0.90	5.960
42-17-S	48.25	48.25	2136.81	-0.87	5.610
42-18-S	48.25	48.25	2136.83	-0.83	5.322
42-19-S	48.25	48.25	2136.85	-0.79	5.083
42-20-S	48.25	96.51	3648.31	-2.17	8.094
42-21-S	48.25	96.51	3648.31	-2.17	7.578
42-22-S	48.25	96.51	3648.25	-2.24	7.123
42-23-S	48.25	96.51	3648.14	-2.36	6.718
42-24-S	48.25	48.25	-3447.86	-193.96	5.301
42-25-S	48.25	48.25	-3462.63	-178.09	4.758
42-26-S	48.25	48.25	-3475.56	-164.20	4.097
42-27-S	48.25	48.25	-3485.39	-153.65	3.573
42-28-S	48.25	48.25	-3493.15	-145.30	3.167
42-29-S	48.25	48.25	-3499.97	-137.98	2.837
42-30-S	48.25	48.25	-3506.33	-131.14	2.561
42-31-S	48.25	48.25	-3512.97	-124.02	2.297
42-32-S	48.25	48.25	-3522.24	-114.06	1.981
42-33-S	48.25	48.25	-3529.48	-106.28	1.740
42-34-S	48.25	48.25	-3535.21	-100.12	1.553
42-35-S	48.25	64.34	-4699.98	-126.14	1.863
42-36-S	48.25	64.34	-4717.04	-107.65	1.629
42-37-S	48.25	64.34	-4730.88	-92.65	1.443
42-38-S	48.25	104.55	-11089.19	-275.22	3.005
42-39-S	80.42	128.68	-16339.97	-393.68	3.748
42-40-S	80.42	128.68	-16445.24	-328.44	3.257
42-41-S	80.42	128.68	-16537.17	-271.46	2.650
42-42-S	80.42	96.51	-12521.63	-170.46	1.532
42-43-S	80.42	80.42	-10485.16	-128.32	1.070
42-44-S	80.42	80.42	-10486.18	-127.69	1.002
42-45-S	80.42	80.42	-10441.38	-155.01	1.107
42-46-S	80.42	64.34	-8287.89	-173.32	1.108
42-47-S	80.42	64.34	-8146.81	-256.93	1.497
42-48-S	80.42	64.34	-7894.29	-406.58	2.199
42-49-S	80.42	64.34	-7517.19	-630.06	2.921
42-50-S	80.42	64.34	-6889.85	-1001.84	4.165
42-51-S	80.42	64.34	-5746.18	-1679.62	6.502
42-52-S	80.42	64.34	10741.19	46.95	6.941
42-53-S	80.42	64.34	10732.82	41.64	6.046
42-54-S	80.42	64.34	9711.73	-583.82	4.490
42-55-S	80.42	64.34	10268.02	-243.90	3.412
42-56-S	80.42	64.34	10576.89	-55.17	2.790
42-57-S	80.42	64.34	10772.35	66.72	2.513
42-58-S	80.42	64.34	10943.70	175.40	2.338
42-59-S	80.42	64.34	11108.14	279.71	2.210
42-60-S	80.42	64.34	11272.55	384.00	2.119
42-61-S	80.42	64.34	11410.08	471.23	2.030
42-62-S	80.42	64.34	11265.95	379.81	1.746
42-63-S	80.42	64.34	11160.19	312.72	1.537
42-64-S	80.42	64.34	11075.30	258.88	1.378
42-65-S	80.42	64.34	11000.61	211.50	1.241
42-66-S	80.42	64.34	10928.58	165.81	1.044
42-67-S	104.55	64.34	14064.94	167.70	1.156
42-68-S	104.55	64.34	14005.59	129.71	1.002
42-69-S	104.55	64.34	14010.13	132.61	1.105
42-70-S	104.55	96.51	14109.20	141.94	1.281
42-71-S	80.42	128.68	10949.75	122.87	1.205
42-72-S	80.42	128.68	10981.12	142.24	1.382
42-73-S	80.42	128.68	11018.18	165.13	1.561
42-74-S	80.42	104.55	9130.96	134.60	1.470
42-75-S	80.42	64.34	6084.25	70.13	1.079
42-76-S	80.42	64.34	6094.06	81.02	1.197
42-77-S	80.42	64.34	6102.12	89.98	1.323
42-78-S	80.42	48.25	6076.39	92.90	1.437
42-79-S	80.42	48.25	6079.53	96.44	1.580
42-80-S	48.25	48.25	3683.27	60.70	1.061
42-81-S	48.25	48.25	3684.85	62.45	1.155
42-82-S	48.25	48.25	3686.40	64.17	1.256
42-83-S	48.25	48.25	3688.05	65.99	1.373
42-84-S	48.25	48.25	3689.93	68.07	1.510
42-85-S	48.25	48.25	3692.09	70.46	1.673
42-86-S	48.25	48.25	3693.97	72.54	1.839
42-87-S	48.25	48.25	3695.92	74.69	2.027
42-88-S	48.25	48.25	3699.43	78.58	2.250
42-89-S	48.25	96.51	3730.17	86.11	2.529
42-90-S	48.25	96.51	3738.87	95.50	2.859
42-91-S	48.25	96.51	3750.33	107.87	3.289
42-92-S	48.25	96.51	3766.03	124.81	3.869
42-93-S	48.25	48.25	2164.84	51.09	2.681
42-94-S	48.25	48.25	2168.13	57.18	3.084
42-95-S	48.25	48.25	2172.57	65.42	3.631
42-96-S	48.25	48.25	2178.90	77.16	4.412
42-97-S	48.25	48.25	2188.69	95.31	5.622
42-98-S	48.25	48.25	2136.87	-0.76	6.875
42-99-S	48.25	48.25	2136.89	-0.73	7.477
42-100-S	48.25	48.25	2136.89	-0.72	7.879
42-101-S	48.25	48.25	2136.91	-0.69	8.253
42-102-S	48.25	48.25	2136.93	-0.65	8.632
42-103-S	48.25	48.25	2136.95	-0.61	9.047
42-104-S	48.25	48.25	2136.98	-0.57	9.503

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
42-105-S	48.25	48.25	2137.00	-0.52	10.007
42-106-S	48.25	48.25	2137.04	-0.45	10.520
42-107-S	48.25	48.25	2137.07	-0.39	10.881
42-108-S	48.25	48.25	2137.07	-0.40	11.525
42-109-S	48.25	48.25	2137.06	-0.41	12.221
42-110-S	48.25	48.25	2137.06	-0.42	12.975
42-111-S	48.25	48.25	-2137.06	-0.42	13.560
43-1-S	40.21	40.21	-1782.38	0.07	11.287
43-2-S	40.21	40.21	-1782.37	0.06	10.545
43-3-S	40.21	40.21	-1782.37	0.05	9.895
43-4-S	40.21	40.21	-1782.36	0.04	9.358
43-5-S	40.21	40.21	-1782.36	0.04	8.908
43-6-S	40.21	40.21	-1782.37	0.05	8.644
43-7-S	40.21	40.21	-1782.38	0.07	8.475
43-8-S	40.21	40.21	-1782.38	0.07	8.312
43-9-S	40.21	40.21	-1782.38	0.07	8.154
43-10-S	40.21	40.21	-1782.38	0.08	7.998
43-11-S	40.21	40.21	-1782.38	0.08	7.847
43-12-S	40.21	40.21	-1782.39	0.09	7.711
43-13-S	40.21	40.21	-1782.40	0.10	7.618
43-14-S	40.21	40.21	-1782.41	0.14	7.454
43-15-S	40.21	40.21	1782.44	0.18	7.234
43-16-S	40.21	40.21	1782.45	0.20	6.800
43-17-S	40.21	40.21	1782.46	0.22	6.414
43-18-S	40.21	40.21	1782.47	0.23	6.068
43-19-S	40.21	40.21	1782.47	0.24	5.756
43-20-S	40.21	80.42	3042.86	0.68	9.044
43-21-S	40.21	80.42	3042.87	0.69	8.380
43-22-S	40.21	80.42	3042.90	0.72	7.820
43-23-S	40.21	80.42	3042.95	0.78	7.351
43-24-S	40.21	40.21	-2875.89	-160.94	4.427
43-25-S	40.21	40.21	-2888.77	-147.11	3.904
43-26-S	40.21	40.21	-2900.38	-134.64	3.335
43-27-S	40.21	40.21	-2909.27	-125.09	2.909
43-28-S	40.21	40.21	-2916.29	-117.55	2.579
43-29-S	40.21	40.21	-2922.01	-111.41	2.316
43-30-S	40.21	40.21	-2926.50	-106.58	2.089
43-31-S	40.21	40.21	-2929.74	-103.10	1.879
43-32-S	40.21	40.21	-2933.16	-99.42	1.697
43-33-S	40.21	56.30	-4094.39	-130.41	2.097
43-34-S	40.21	56.30	-4103.30	-120.75	1.838
43-35-S	40.21	56.30	-4111.33	-112.03	1.626
43-36-S	40.21	56.30	-4125.56	-96.60	1.411
43-37-S	72.38	56.30	-4164.89	-82.89	1.243
43-38-S	72.38	96.51	-10309.75	-257.52	2.719
43-39-S	72.38	128.68	-16298.01	-402.63	3.646
43-40-S	72.38	128.68	-16395.62	-341.89	3.178
43-41-S	72.38	128.68	-16482.46	-287.85	2.701
43-42-S	72.38	112.59	-14533.80	-207.32	1.838
43-43-S	72.38	72.38	-9420.30	-126.85	1.039
43-44-S	72.38	72.38	-9403.59	-137.04	1.036
43-45-S	72.38	72.38	-9363.34	-161.60	1.130
43-46-S	72.38	64.34	-8269.44	-180.68	1.174
43-47-S	72.38	64.34	-8150.62	-251.20	1.528
43-48-S	72.38	64.34	-7917.71	-389.45	2.047
43-49-S	72.38	64.34	-7559.52	-602.05	2.691
43-50-S	72.38	56.30	-6061.35	-858.52	3.404
43-51-S	72.38	56.30	9604.12	1.63	3.689
43-52-S	72.38	56.30	9590.77	-6.60	3.303
43-53-S	72.38	56.30	9587.46	-8.62	2.956
43-54-S	72.38	56.30	9583.85	-10.83	2.698
43-55-S	72.38	56.30	9578.97	-13.81	2.519
43-56-S	72.38	56.30	9572.80	-17.58	2.398
43-57-S	72.38	56.30	9751.76	95.42	2.310
43-58-S	72.38	56.30	9957.74	226.27	2.204
43-59-S	72.38	56.30	10145.53	345.57	2.113
43-60-S	72.38	56.30	10271.87	425.83	1.999
43-61-S	72.38	56.30	10341.95	470.36	1.873
43-62-S	72.38	56.30	10222.08	394.20	1.621
43-63-S	72.38	56.30	10094.21	312.97	1.406
43-64-S	72.38	56.30	9988.75	245.97	1.240
43-65-S	72.38	56.30	9901.50	190.55	1.109
43-66-S	104.55	56.30	14086.79	199.60	1.294
43-67-S	104.55	56.30	14022.68	158.33	1.117
43-68-S	104.55	56.30	13992.35	138.81	1.062
43-69-S	104.55	56.30	13982.57	132.52	1.098
43-70-S	104.55	88.47	14088.16	139.97	1.257
43-71-S	104.55	112.59	14176.87	164.95	1.578
43-72-S	104.55	112.59	14220.70	192.33	1.803
43-73-S	104.55	112.59	14270.59	223.50	2.021
43-74-S	104.55	88.47	11806.12	180.79	1.890
43-75-S	104.55	56.30	7841.42	93.83	1.383
43-76-S	72.38	56.30	5486.12	75.28	1.074
43-77-S	72.38	56.30	5492.73	82.64	1.188
43-78-S	72.38	40.21	5467.40	85.33	1.294
43-79-S	72.38	40.21	5470.33	88.65	1.428
43-80-S	72.38	40.21	5472.92	91.57	1.570
43-81-S	72.38	40.21	5474.91	93.82	1.703
43-82-S	40.21	40.21	3074.46	54.00	1.044

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
43-83-S	40.21	40.21	3075.91	55.61	1.150
43-84-S	40.21	40.21	3077.72	57.62	1.270
43-85-S	40.21	40.21	3079.53	59.62	1.394
43-86-S	40.21	40.21	3081.09	61.34	1.530
43-87-S	40.21	40.21	3082.60	63.02	1.688
43-88-S	40.21	40.21	3084.56	65.19	1.880
43-89-S	40.21	80.42	3107.78	70.97	2.118
43-90-S	40.21	80.42	3115.37	79.19	2.397
43-91-S	40.21	80.42	3125.26	89.90	2.760
43-92-S	40.21	80.42	3138.69	104.43	3.252
43-93-S	40.21	40.21	1805.44	42.90	2.258
43-94-S	40.21	40.21	1808.22	48.07	2.601
43-95-S	40.21	40.21	1811.97	55.03	3.063
43-96-S	40.21	40.21	1817.30	64.93	3.721
43-97-S	40.21	40.21	1825.49	80.14	4.734
43-98-S	40.21	40.21	1839.70	106.53	6.496
43-99-S	40.21	40.21	-1782.53	0.35	7.477
43-100-S	40.21	40.21	-1782.53	0.36	7.674
43-101-S	40.21	40.21	-1782.55	0.39	7.890
43-102-S	40.21	40.21	-1782.57	0.43	8.134
43-103-S	40.21	40.21	-1782.61	0.50	8.404
43-104-S	40.21	40.21	-1782.65	0.59	8.698
43-105-S	40.21	40.21	-1782.65	0.58	9.008
43-106-S	40.21	40.21	-1782.58	0.44	9.318
43-107-S	40.21	40.21	-1782.48	0.27	9.649
43-108-S	40.21	40.21	-1782.40	0.12	9.950
43-109-S	40.21	40.21	-1782.37	0.05	10.109
43-110-S	40.21	40.21	-1782.32	-0.03	10.276
43-111-S	40.21	40.21	-1782.27	-0.13	10.462
44-1-S	40.21	40.21	-1782.32	-0.04	9.946
44-2-S	40.21	40.21	-1782.37	0.05	9.533
44-3-S	40.21	40.21	-1782.41	0.14	9.197
44-4-S	40.21	40.21	-1782.45	0.21	8.895
44-5-S	40.21	40.21	-1782.55	0.39	8.698
44-6-S	40.21	40.21	-1782.70	0.67	8.571
44-7-S	40.21	40.21	-1782.84	0.93	8.446
44-8-S	40.21	40.21	-1782.92	1.08	8.326
44-9-S	40.21	40.21	-1782.94	1.12	8.218
44-10-S	40.21	40.21	-1782.94	1.12	8.118
44-11-S	40.21	40.21	-1782.95	1.14	8.027
44-12-S	40.21	40.21	-1782.96	1.16	7.944
44-13-S	40.21	40.21	-1782.97	1.18	7.862
44-14-S	40.21	40.21	-1782.98	1.21	7.762
44-15-S	40.21	40.21	-1783.01	1.25	7.603
44-16-S	40.21	40.21	-1783.03	1.28	7.453
44-17-S	40.21	40.21	-1783.02	1.26	7.365
44-18-S	40.21	40.21	-1719.94	-113.01	6.317
44-19-S	40.21	40.21	-1728.80	-96.96	5.352
44-20-S	40.21	80.42	3046.00	4.08	14.174
44-21-S	40.21	80.42	-5636.24	-374.57	11.907
44-22-S	40.21	80.42	-5676.53	-330.20	10.271
44-23-S	40.21	80.42	-5706.81	-296.85	9.039
44-24-S	40.21	40.21	-2898.20	-136.98	4.087
44-25-S	40.21	40.21	-2908.77	-125.62	3.609
44-26-S	40.21	40.21	-2917.15	-116.63	3.128
44-27-S	40.21	40.21	-2923.74	-109.55	2.761
44-28-S	40.21	40.21	-2929.08	-103.81	2.473
44-29-S	40.21	40.21	-2933.52	-99.04	2.240
44-30-S	40.21	40.21	-2938.27	-93.94	2.001
44-31-S	40.21	40.21	-2942.17	-89.75	1.800
44-32-S	40.21	40.21	-2945.22	-86.47	1.637
44-33-S	40.21	56.30	-4107.87	-115.79	2.079
44-34-S	40.21	56.30	-4116.17	-106.79	1.809
44-35-S	40.21	56.30	-4122.79	-99.60	1.605
44-36-S	40.21	56.30	-4129.37	-92.47	1.439
44-37-S	64.34	56.30	-4162.67	-79.97	1.263
44-38-S	64.34	56.30	-4173.10	-68.81	1.126
44-39-S	64.34	88.47	-9499.80	-199.06	2.295
44-40-S	64.34	112.59	-14363.72	-297.29	3.029
44-41-S	64.34	112.59	-14423.21	-260.32	2.765
44-42-S	64.34	112.59	-14447.25	-245.39	2.704
44-43-S	64.34	88.47	-11399.94	-194.31	2.145
44-44-S	64.34	56.30	-7276.77	-134.41	1.415
44-45-S	64.34	56.30	-7244.02	-153.84	1.521
44-46-S	64.34	56.30	-7207.80	-175.33	1.688
44-47-S	64.34	56.30	-7167.12	-199.47	1.927
44-48-S	64.34	56.30	-7109.33	-233.77	2.257
44-49-S	64.34	56.30	-7002.28	-297.28	2.810
44-50-S	64.34	56.30	8533.40	-9.81	2.659
44-51-S	64.34	56.30	8512.72	-22.42	2.375
44-52-S	64.34	56.30	8494.78	-33.34	2.133
44-53-S	64.34	56.30	8479.77	-42.49	1.857
44-54-S	64.34	56.30	8470.74	-47.99	1.697
44-55-S	64.34	56.30	8466.06	-50.84	1.613
44-56-S	64.34	56.30	8464.65	-51.70	1.580
44-57-S	64.34	56.30	8468.05	-49.63	1.601
44-58-S	64.34	56.30	8477.37	-43.95	1.701
44-59-S	64.34	56.30	8490.89	-35.71	1.862
44-60-S	64.34	56.30	8792.38	153.78	1.782

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
44-61-S	64.34	56.30	8794.22	154.95	1.607
44-62-S	64.34	56.30	8786.93	150.33	1.455
44-63-S	64.34	56.30	8756.21	130.87	1.310
44-64-S	64.34	56.30	8736.45	118.37	1.198
44-65-S	64.34	56.30	8725.89	111.68	1.110
44-66-S	64.34	56.30	8721.36	108.81	1.058
44-67-S	64.34	56.30	8715.31	104.98	1.028
44-68-S	64.34	56.30	8704.87	98.37	1.012
44-69-S	64.34	88.47	8736.75	92.55	1.021
44-70-S	64.34	112.59	8758.51	93.52	1.044
44-71-S	64.34	112.59	8771.11	101.31	1.084
44-72-S	64.34	112.59	8794.20	115.58	1.176
44-73-S	64.34	88.47	7291.84	94.60	1.082
44-74-S	88.47	56.30	6655.83	66.60	1.078
44-75-S	88.47	56.30	6664.04	75.82	1.182
44-76-S	88.47	56.30	6672.37	85.17	1.310
44-77-S	64.34	40.21	4862.95	65.54	1.043
44-78-S	64.34	40.21	4865.90	68.86	1.147
44-79-S	64.34	40.21	4868.01	71.23	1.257
44-80-S	64.34	40.21	4869.53	72.94	1.363
44-81-S	64.34	40.21	4871.30	74.93	1.488
44-82-S	40.21	40.21	3069.58	48.59	1.025
44-83-S	40.21	40.21	3070.76	49.90	1.117
44-84-S	40.21	40.21	3072.10	51.38	1.220
44-85-S	40.21	40.21	3073.71	53.17	1.344
44-86-S	40.21	40.21	3075.68	55.35	1.495
44-87-S	40.21	40.21	3078.14	58.08	1.676
44-88-S	40.21	40.21	3081.93	62.27	1.858
44-89-S	40.21	80.42	3105.66	68.67	2.082
44-90-S	40.21	80.42	3112.21	75.77	2.344
44-91-S	40.21	80.42	3120.65	84.90	2.682
44-92-S	40.21	80.42	3131.74	96.91	3.131
44-93-S	40.21	40.21	1803.02	38.41	2.111
44-94-S	40.21	40.21	1805.93	43.81	2.446
44-95-S	40.21	40.21	1809.74	50.89	2.895
44-96-S	40.21	40.21	1814.98	60.63	3.525
44-97-S	40.21	40.21	1822.75	75.05	4.475
44-98-S	40.21	40.21	1834.74	97.32	5.995
44-99-S	40.21	40.21	-1783.10	1.42	7.222
44-100-S	40.21	40.21	-1783.08	1.39	7.388
44-101-S	40.21	40.21	-1783.06	1.35	7.560
44-102-S	40.21	40.21	-1783.03	1.28	7.741
44-103-S	40.21	40.21	-1782.97	1.18	7.928
44-104-S	40.21	40.21	-1782.91	1.06	8.229
44-105-S	40.21	40.21	-1782.82	0.91	8.616
44-106-S	40.21	40.21	-1782.73	0.73	9.014
44-107-S	40.21	40.21	-1782.62	0.52	9.421
44-108-S	40.21	40.21	-1782.52	0.34	9.783
44-109-S	40.21	40.21	-1782.48	0.27	10.013
44-110-S	40.21	40.21	-1782.44	0.19	10.262
44-111-S	40.21	40.21	-1782.40	0.11	10.529
45-1-S	40.21	40.21	-1782.16	-0.33	10.293
45-2-S	40.21	40.21	-1782.24	-0.19	9.864
45-3-S	40.21	40.21	-1782.30	-0.08	9.494
45-4-S	40.21	40.21	-1782.35	0.01	9.179
45-5-S	40.21	40.21	-1782.47	0.24	8.970
45-6-S	40.21	40.21	-1782.62	0.52	8.792
45-7-S	40.21	40.21	-1782.76	0.79	8.542
45-8-S	40.21	40.21	-1782.89	1.03	8.239
45-9-S	40.21	40.21	-1783.00	1.23	7.969
45-10-S	40.21	40.21	-1783.07	1.36	7.882
45-11-S	40.21	40.21	-1783.13	1.48	7.806
45-12-S	40.21	40.21	-1783.19	1.58	7.736
45-13-S	40.21	40.21	-1783.21	1.62	7.747
45-14-S	40.21	40.21	-1783.20	1.61	7.839
45-15-S	40.21	40.21	-1783.17	1.55	7.945
45-16-S	40.21	40.21	-1716.25	-119.69	7.569
45-17-S	40.21	40.21	-1727.56	-99.20	6.178
45-18-S	40.21	40.21	-1735.34	-85.12	5.224
45-19-S	40.21	40.21	-1741.03	-74.81	4.527
45-20-S	40.21	64.34	-4203.70	-243.74	9.419
45-21-S	40.21	80.42	-5699.68	-304.70	10.717
45-22-S	40.21	80.42	-5735.54	-265.21	9.233
45-23-S	40.21	80.42	-5763.79	-234.08	8.098
45-24-S	40.21	56.30	-4078.50	-147.66	5.084
45-25-S	40.21	40.21	-2935.40	-97.02	3.247
45-26-S	40.21	40.21	-2940.50	-91.54	2.867
45-27-S	40.21	40.21	-2944.41	-87.35	2.576
45-28-S	40.21	40.21	-2947.49	-84.03	2.346
45-29-S	40.21	40.21	-2950.06	-81.27	2.156
45-30-S	40.21	40.21	-2954.18	-76.85	1.939
45-31-S	40.21	40.21	-2957.75	-73.02	1.767
45-32-S	40.21	40.21	-2960.73	-69.81	1.628
45-33-S	40.21	40.21	-2963.26	-67.10	1.508
45-34-S	40.21	56.30	-4133.47	-88.02	1.883
45-35-S	40.21	56.30	-4138.72	-82.32	1.674
45-36-S	40.21	56.30	-4142.66	-78.04	1.542
45-37-S	40.21	56.30	-4147.29	-73.02	1.444
45-38-S	40.21	56.30	-4154.50	-65.20	1.335

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
45-39-S	40.21	56.30	-4162.44	-56.58	1.241
45-40-S	40.21	64.34	-5763.13	-91.53	1.653
45-41-S	64.34	88.47	-9827.08	-172.27	2.733
45-42-S	64.34	112.59	-14430.64	-255.71	3.925
45-43-S	64.34	112.59	-14453.71	-241.37	4.005
45-44-S	64.34	104.55	-13457.59	-213.96	3.922
45-45-S	64.34	80.42	-10404.67	-161.14	3.239
45-46-S	64.34	56.30	-7302.78	-118.98	2.539
45-47-S	64.34	56.30	-7286.93	-128.38	2.921
45-48-S	64.34	56.30	8492.46	-34.76	2.848
45-49-S	64.34	56.30	8483.33	-40.32	2.511
45-50-S	64.34	56.30	8474.71	-45.57	2.235
45-51-S	64.34	56.30	8468.33	-49.46	1.950
45-52-S	64.34	56.30	8469.78	-48.57	1.550
45-53-S	64.34	56.30	8471.25	-47.68	1.285
45-54-S	64.34	56.30	8472.64	-46.83	1.098
45-55-S	72.38	56.30	9517.40	-51.44	1.088
45-56-S	64.34	56.30	8477.85	-43.66	1.011
45-57-S	64.34	56.30	8479.60	-42.59	1.122
45-58-S	64.34	56.30	8478.14	-43.48	1.299
45-59-S	64.34	56.30	8472.45	-46.95	1.588
45-60-S	64.34	56.30	8472.30	-47.04	1.877
45-61-S	64.34	56.30	8636.76	55.24	1.719
45-62-S	64.34	56.30	8641.09	57.98	1.573
45-63-S	64.34	56.30	8640.20	57.42	1.471
45-64-S	64.34	56.30	8641.44	58.20	1.401
45-65-S	64.34	56.30	8644.44	60.10	1.344
45-66-S	64.34	80.42	8680.02	62.35	1.300
45-67-S	64.34	104.55	8709.50	66.85	1.278
45-68-S	64.34	112.59	8727.80	74.54	1.271
45-69-S	64.34	112.59	8741.46	82.98	1.285
45-70-S	64.34	88.47	7806.76	75.07	1.190
45-71-S	88.47	64.34	8642.61	76.39	1.372
45-72-S	88.47	56.30	6641.43	50.42	1.100
45-73-S	88.47	56.30	6647.64	57.40	1.167
45-74-S	88.47	56.30	6653.41	63.87	1.254
45-75-S	88.47	40.21	6611.98	67.13	1.330
45-76-S	64.34	40.21	4850.48	51.51	1.045
45-77-S	64.34	40.21	4852.80	54.12	1.134
45-78-S	64.34	40.21	4854.92	56.50	1.234
45-79-S	64.34	40.21	4855.94	57.65	1.328
45-80-S	64.34	40.21	4857.48	59.38	1.432
45-81-S	64.34	40.21	4859.53	61.69	1.551
45-82-S	40.21	40.21	3062.36	40.59	1.067
45-83-S	40.21	40.21	3063.90	42.31	1.172
45-84-S	40.21	40.21	3064.84	43.34	1.290
45-85-S	40.21	40.21	3066.20	44.85	1.420
45-86-S	40.21	40.21	3068.92	47.86	1.554
45-87-S	40.21	56.30	3081.91	52.08	1.711
45-88-S	40.21	80.42	3095.06	57.20	1.903
45-89-S	40.21	80.42	3100.80	63.41	2.137
45-90-S	40.21	80.42	3107.84	71.04	2.431
45-91-S	40.21	64.34	2845.14	67.84	2.562
45-92-S	40.21	40.21	1799.01	30.97	1.838
45-93-S	40.21	40.21	1800.90	34.48	2.090
45-94-S	40.21	40.21	1803.38	39.08	2.424
45-95-S	40.21	40.21	1806.79	45.40	2.887
45-96-S	40.21	40.21	1811.79	54.69	3.572
45-97-S	40.21	40.21	1818.37	66.91	4.538
45-98-S	40.21	40.21	1822.13	73.90	5.399
45-99-S	40.21	40.21	1827.30	83.51	6.627
45-100-S	40.21	40.21	-1782.96	1.16	7.040
45-101-S	40.21	40.21	-1782.93	1.10	7.030
45-102-S	40.21	40.21	-1782.87	0.98	7.083
45-103-S	40.21	40.21	-1782.79	0.84	7.360
45-104-S	40.21	40.21	-1782.70	0.67	7.743
45-105-S	40.21	40.21	-1782.58	0.44	8.204
45-106-S	40.21	40.21	-1782.43	0.17	8.744
45-107-S	40.21	40.21	-1782.32	-0.03	9.267
45-108-S	40.21	40.21	-1782.34	-0.01	9.616
45-109-S	40.21	40.21	-1782.33	-0.01	9.974
45-110-S	40.21	40.21	-1782.32	-0.04	10.377
46-1-S	40.21	40.21	-1781.46	-1.47	10.853
46-2-S	40.21	40.21	-1781.63	-1.28	10.284
46-3-S	40.21	40.21	-1781.70	-1.16	9.789
46-4-S	40.21	40.21	-1781.73	-1.10	9.284
46-5-S	40.21	40.21	-1781.82	-0.94	8.796
46-6-S	40.21	40.21	-1782.06	-0.52	8.360
46-7-S	40.21	40.21	-1782.26	-0.14	7.967
46-8-S	40.21	40.21	-1782.42	0.14	7.644
46-9-S	40.21	40.21	-1782.52	0.34	7.395
46-10-S	40.21	40.21	-1782.56	0.42	7.450
46-11-S	40.21	40.21	-1782.55	0.39	7.621
46-12-S	40.21	40.21	-1782.50	0.30	7.849
46-13-S	40.21	40.21	-1782.43	0.16	8.121
46-14-S	40.21	40.21	-1782.35	0.01	8.411
46-15-S	40.21	40.21	-1724.35	-105.02	7.889
46-16-S	40.21	40.21	-1734.53	-86.59	6.376
46-17-S	40.21	40.21	-1741.47	-74.03	5.349

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
46-18-S	40.21	40.21	-1746.53	-64.86	4.611
46-19-S	40.21	40.21	-1750.40	-57.85	4.054
46-20-S	40.21	40.21	-1988.46	-67.67	4.094
46-21-S	40.21	64.34	-4264.98	-170.97	7.607
46-22-S	40.21	80.42	-5782.46	-213.52	8.780
46-23-S	40.21	80.42	-5807.10	-186.38	7.658
46-24-S	40.21	80.42	-5824.78	-166.91	6.849
46-25-S	40.21	56.30	-4114.79	-108.28	4.403
46-26-S	40.21	40.21	-2957.77	-72.99	2.901
46-27-S	40.21	40.21	-2960.78	-69.76	2.674
46-28-S	40.21	40.21	-2962.64	-67.76	2.474
46-29-S	40.21	40.21	-2964.92	-65.32	2.266
46-30-S	40.21	40.21	-2968.71	-61.24	2.036
46-31-S	40.21	40.21	-2971.59	-58.14	1.866
46-32-S	40.21	40.21	-2973.86	-55.71	1.737
46-33-S	40.21	40.21	-2975.68	-53.75	1.639
46-34-S	40.21	40.21	-2977.29	-52.02	1.560
46-35-S	40.21	40.21	-2978.98	-50.21	1.491
46-36-S	40.21	40.21	-2980.75	-48.31	1.419
46-37-S	40.21	40.21	-2982.50	-46.43	1.345
46-38-S	40.21	40.21	-2983.90	-44.92	1.301
46-39-S	40.21	40.21	-2985.89	-42.79	1.270
46-40-S	40.21	40.21	-2989.11	-39.33	1.231
46-41-S	40.21	56.30	-4168.71	-49.78	1.701
46-42-S	40.21	56.30	-4771.61	-59.36	1.981
46-43-S	40.21	72.38	4023.67	-15.71	2.240
46-44-S	40.21	80.42	4462.10	-21.75	2.196
46-45-S	56.30	96.51	6811.84	-40.92	2.948
46-46-S	56.30	104.55	7446.11	-52.22	2.875
46-47-S	56.30	96.51	7435.49	-55.68	2.558
46-48-S	56.30	88.47	7431.35	-55.24	2.213
46-49-S	56.30	80.42	7428.27	-54.30	1.940
46-50-S	56.30	64.34	7415.08	-53.38	1.726
46-51-S	56.30	56.30	7411.48	-50.13	1.486
46-52-S	56.30	56.30	7421.99	-43.75	1.206
46-53-S	56.30	56.30	7429.08	-39.45	1.022
46-54-S	72.38	56.30	9525.03	-46.78	1.147
46-55-S	72.38	56.30	9528.07	-44.92	1.061
46-56-S	72.38	56.30	9523.72	-47.58	1.146
46-57-S	56.30	56.30	7427.81	-40.22	1.008
46-58-S	56.30	56.30	7420.76	-44.50	1.193
46-59-S	56.30	56.30	7412.42	-49.56	1.451
46-60-S	56.30	64.34	7413.44	-54.38	1.775
46-61-S	56.30	80.42	7555.73	23.26	1.751
46-62-S	56.30	88.47	7567.41	26.59	1.642
46-63-S	56.30	96.51	7579.02	29.30	1.541
46-64-S	56.30	104.55	7431.44	32.11	1.442
46-65-S	56.30	96.51	6956.92	34.26	1.322
46-66-S	56.30	80.42	6316.86	33.34	1.176
46-67-S	56.30	72.38	5681.19	31.36	1.049
46-68-S	72.38	56.30	6249.98	34.45	1.163
46-69-S	72.38	56.30	5445.11	29.60	1.023
46-70-S	72.38	40.21	5421.06	32.93	1.036
46-71-S	72.38	40.21	5423.85	36.08	1.072
46-72-S	72.38	40.21	5425.81	38.29	1.104
46-73-S	72.38	40.21	5427.22	39.89	1.137
46-74-S	72.38	40.21	5428.69	41.55	1.199
46-75-S	72.38	40.21	5430.30	43.38	1.276
46-76-S	56.30	40.21	4246.36	35.56	1.062
46-77-S	56.30	40.21	4247.99	37.39	1.127
46-78-S	56.30	40.21	4249.54	39.12	1.201
46-79-S	56.30	40.21	4250.32	39.99	1.288
46-80-S	56.30	40.21	4251.25	41.03	1.385
46-81-S	40.21	40.21	3053.12	30.35	1.071
46-82-S	40.21	40.21	3054.08	31.42	1.155
46-83-S	40.21	40.21	3055.27	32.73	1.248
46-84-S	40.21	40.21	3057.76	35.50	1.350
46-85-S	40.21	56.30	3069.84	38.85	1.472
46-86-S	40.21	80.42	3081.41	42.41	1.616
46-87-S	40.21	80.42	3084.91	46.20	1.787
46-88-S	40.21	80.42	3089.14	50.79	1.998
46-89-S	40.21	64.34	2828.26	47.82	2.066
46-90-S	40.21	40.21	2048.22	28.22	1.675
46-91-S	40.21	40.21	1794.98	23.48	1.625
46-92-S	40.21	40.21	1796.21	25.76	1.818
46-93-S	40.21	40.21	1797.76	28.64	2.065
46-94-S	40.21	40.21	1799.75	32.34	2.389
46-95-S	40.21	40.21	1802.44	37.33	2.836
46-96-S	40.21	40.21	1805.37	42.76	3.395
46-97-S	40.21	40.21	1806.22	44.35	3.841
46-98-S	40.21	40.21	1807.28	46.32	4.411
46-99-S	40.21	40.21	1808.59	48.75	5.151
46-100-S	40.21	40.21	1809.70	50.82	6.028
46-101-S	40.21	40.21	1809.68	50.77	6.855
46-102-S	40.21	40.21	-1782.06	-0.50	7.369
46-103-S	40.21	40.21	-1781.97	-0.68	7.657
46-104-S	40.21	40.21	-1781.86	-0.87	8.052
46-105-S	40.21	40.21	-1781.80	-0.98	8.464
46-106-S	40.21	40.21	-1781.79	-0.99	8.914

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
46-107-S	40.21	40.21	-1781.85	-0.88	9.353
46-108-S	40.21	40.21	-1781.88	-0.82	9.863
46-109-S	40.21	40.21	-1781.83	-0.81	10.506
47-1-S	40.21	40.21	-1778.55	-3.11	15.187
47-2-S	40.21	40.21	-1780.49	-3.36	10.318
47-3-S	40.21	40.21	-1780.57	-3.21	9.626
47-4-S	40.21	40.21	-1780.59	-3.17	9.036
47-5-S	40.21	40.21	-1780.62	-3.11	8.557
47-6-S	40.21	40.21	-1780.68	-3.01	8.218
47-7-S	40.21	40.21	-1780.77	-2.84	7.954
47-8-S	40.21	40.21	-1780.87	-2.65	7.732
47-9-S	40.21	40.21	-1780.91	-2.59	7.844
47-10-S	40.21	40.21	-1780.95	-2.52	7.961
47-11-S	40.21	40.21	-1780.97	-2.48	8.096
47-12-S	40.21	40.21	-1780.98	-2.47	8.257
47-13-S	40.21	40.21	-1741.74	-73.52	7.716
47-14-S	40.21	40.21	-1741.54	-73.88	7.091
47-15-S	40.21	40.21	-1744.39	-68.72	6.282
47-16-S	40.21	40.21	-1748.59	-61.12	5.437
47-17-S	40.21	40.21	-1752.61	-53.84	4.706
47-18-S	40.21	40.21	-1755.74	-48.17	4.139
47-19-S	40.21	40.21	-1758.23	-43.67	3.689
47-20-S	40.21	40.21	-1760.24	-40.03	3.326
47-21-S	40.21	48.25	-2582.46	-68.80	4.409
47-22-S	40.21	64.34	-4263.05	-122.26	6.528
47-23-S	40.21	80.42	-5829.84	-161.34	7.989
47-24-S	40.21	80.42	-5843.72	-146.05	7.224
47-25-S	40.21	72.38	-5282.11	-120.37	5.949
47-26-S	40.21	56.30	-4134.79	-86.59	4.276
47-27-S	40.21	40.21	-2972.09	-57.61	2.848
47-28-S	40.21	40.21	-2975.49	-53.96	2.699
47-29-S	40.21	40.21	-2978.39	-50.84	2.565
47-30-S	40.21	40.21	-2980.79	-48.26	2.420
47-31-S	40.21	40.21	-2982.82	-46.09	2.278
47-32-S	40.21	40.21	-2984.61	-44.16	2.149
47-33-S	40.21	40.21	-2986.23	-42.42	2.032
47-34-S	40.21	40.21	-2987.47	-41.09	1.951
47-35-S	40.21	40.21	-2988.32	-40.17	1.916
47-36-S	40.21	40.21	-2989.08	-39.36	1.898
47-37-S	40.21	40.21	-2989.89	-38.50	1.879
47-38-S	40.21	40.21	-2990.96	-37.34	1.847
47-39-S	40.21	40.21	-2992.17	-36.04	1.817
47-40-S	40.21	40.21	-2992.67	-35.51	1.854
47-41-S	40.21	40.21	3014.49	-12.00	1.730
47-42-S	40.21	40.21	3014.21	-12.30	1.566
47-43-S	40.21	40.21	3013.84	-12.70	1.398
47-44-S	40.21	40.21	3013.55	-13.00	1.229
47-45-S	40.21	40.21	3013.27	-13.30	1.097
47-46-S	48.25	40.21	3606.59	-16.13	1.181
47-47-S	48.25	40.21	4157.65	-21.15	1.220
47-48-S	48.25	48.25	4163.84	-22.23	1.110
47-49-S	48.25	48.25	4714.98	-26.52	1.153
47-50-S	48.25	56.30	4721.39	-26.71	1.051
47-51-S	64.34	56.30	6271.36	-35.62	1.277
47-52-S	64.34	48.25	6993.86	-39.54	1.307
47-53-S	64.34	48.25	6995.31	-38.46	1.226
47-54-S	64.34	40.21	6981.67	-38.40	1.216
47-55-S	64.34	48.25	6994.68	-38.93	1.233
47-56-S	64.34	48.25	6993.15	-40.06	1.288
47-57-S	64.34	56.30	6271.59	-35.43	1.236
47-58-S	64.34	56.30	6271.96	-35.12	1.350
47-59-S	64.34	48.25	6261.11	-34.86	1.500
47-60-S	64.34	48.25	5252.58	-27.85	1.389
47-61-S	64.34	40.21	5436.01	12.65	1.452
47-62-S	64.34	40.21	4814.68	11.23	1.214
47-63-S	64.34	40.21	4816.30	13.05	1.168
47-64-S	64.34	40.21	4818.17	15.16	1.146
47-65-S	64.34	40.21	4819.79	16.98	1.125
47-66-S	64.34	40.21	4821.15	18.51	1.104
47-67-S	64.34	40.21	4822.73	20.29	1.110
47-68-S	64.34	40.21	4823.85	21.55	1.124
47-69-S	64.34	40.21	4824.91	22.74	1.139
47-70-S	64.34	40.21	4825.76	23.70	1.162
47-71-S	64.34	40.21	4826.67	24.72	1.187
47-72-S	64.34	40.21	4827.70	25.88	1.211
47-73-S	64.34	40.21	4828.74	27.05	1.250
47-74-S	64.34	40.21	4829.67	28.10	1.316
47-75-S	48.25	40.21	3641.44	22.08	1.045
47-76-S	48.25	40.21	3642.37	23.12	1.099
47-77-S	48.25	40.21	3643.42	24.29	1.156
47-78-S	40.21	40.21	3044.40	20.69	1.015
47-79-S	40.21	40.21	3044.67	20.99	1.069
47-80-S	40.21	40.21	3044.99	21.35	1.132
47-81-S	40.21	40.21	3045.63	22.06	1.203
47-82-S	40.21	56.30	3056.07	23.76	1.292
47-83-S	40.21	72.38	3064.49	26.48	1.403
47-84-S	40.21	80.42	3069.64	29.68	1.533
47-85-S	40.21	80.42	3073.24	33.57	1.688
47-86-S	40.21	64.34	2815.25	32.39	1.713

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
47-87-S	40.21	48.25	2300.24	24.45	1.547
47-88-S	40.21	40.21	1790.98	16.05	1.318
47-89-S	40.21	40.21	1791.65	17.30	1.449
47-90-S	40.21	40.21	1792.47	18.82	1.609
47-91-S	40.21	40.21	1793.50	20.72	1.808
47-92-S	40.21	40.21	1794.80	23.15	2.064
47-93-S	40.21	40.21	1796.08	25.52	2.361
47-94-S	40.21	40.21	1797.09	27.39	2.684
47-95-S	40.21	40.21	1797.61	28.36	3.004
47-96-S	40.21	40.21	1797.36	27.90	3.275
47-97-S	40.21	40.21	1796.74	26.75	3.549
47-98-S	40.21	40.21	1795.90	25.19	3.845
47-99-S	40.21	40.21	1794.89	23.31	4.192
47-100-S	40.21	40.21	1793.65	21.01	4.583
47-101-S	40.21	40.21	1792.15	18.22	5.017
47-102-S	40.21	40.21	1790.70	15.53	5.457
47-103-S	40.21	40.21	1790.08	14.37	5.871
47-104-S	40.21	40.21	1789.33	12.99	6.316
47-105-S	40.21	40.21	1788.25	10.97	6.766
47-106-S	40.21	40.21	1786.97	8.60	7.274
47-107-S	24.13	24.13	1072.91	4.84	6.830
48-1-S	40.21	40.21	-1776.44	-5.96	18.484
48-2-S	40.21	40.21	-1778.50	-6.96	10.669
48-3-S	40.21	40.21	-1778.57	-6.84	9.924
48-4-S	40.21	40.21	-1778.63	-6.72	9.274
48-5-S	40.21	40.21	-1778.67	-6.66	8.724
48-6-S	40.21	40.21	-1778.58	-6.80	8.383
48-7-S	40.21	40.21	-1778.42	-7.10	8.381
48-8-S	40.21	40.21	-1778.29	-7.34	8.619
48-9-S	40.21	40.21	-1778.10	-7.68	8.904
48-10-S	40.21	40.21	-1777.89	-8.07	9.217
48-11-S	40.21	40.21	-1757.35	-45.27	8.512
48-12-S	40.21	40.21	-1755.61	-48.41	7.862
48-13-S	40.21	40.21	-1755.19	-49.16	7.158
48-14-S	40.21	40.21	-1755.17	-49.22	6.522
48-15-S	40.21	40.21	-1755.22	-49.11	5.974
48-16-S	40.21	40.21	-1756.31	-47.15	5.383
48-17-S	40.21	40.21	-1758.28	-43.57	4.773
48-18-S	40.21	40.21	-1760.65	-39.27	4.204
48-19-S	40.21	40.21	-1762.78	-35.42	3.794
48-20-S	40.21	40.21	-1764.65	-32.03	3.472
48-21-S	40.21	40.21	-1766.25	-29.14	3.197
48-22-S	40.21	48.25	-2404.48	-41.54	4.003
48-23-S	40.21	64.34	-3954.71	-76.45	5.975
48-24-S	40.21	72.38	-5293.85	-107.50	7.230
48-25-S	40.21	80.42	-5877.99	-108.31	7.464
48-26-S	40.21	72.38	-5310.62	-89.12	6.389
48-27-S	40.21	56.30	-4156.06	-63.50	4.744
48-28-S	40.21	48.25	-3575.56	-49.72	3.877
48-29-S	40.21	40.21	-2990.45	-37.88	3.079
48-30-S	40.21	40.21	-2993.18	-34.96	2.898
48-31-S	40.21	40.21	-2994.94	-33.06	2.767
48-32-S	40.21	40.21	-2995.78	-32.17	2.733
48-33-S	40.21	40.21	-2996.58	-31.30	2.709
48-34-S	40.21	40.21	-2997.44	-30.38	2.680
48-35-S	40.21	40.21	-2998.43	-29.31	2.640
48-36-S	40.21	40.21	3007.98	-18.96	2.454
48-37-S	40.21	40.21	3008.54	-18.36	2.173
48-38-S	40.21	40.21	3008.95	-17.92	1.934
48-39-S	40.21	40.21	3009.28	-17.57	1.742
48-40-S	40.21	40.21	3009.55	-17.28	1.584
48-41-S	40.21	40.21	3009.78	-17.04	1.452
48-42-S	40.21	40.21	3010.10	-16.69	1.319
48-43-S	40.21	40.21	3010.45	-16.32	1.195
48-44-S	40.21	40.21	3010.76	-15.99	1.090
48-45-S	40.21	40.21	3011.02	-15.72	1.003
48-46-S	64.34	40.21	4782.11	-24.50	1.470
48-47-S	64.34	40.21	4782.53	-24.05	1.374
48-48-S	64.34	40.21	4782.88	-23.67	1.294
48-49-S	64.34	40.21	4783.20	-23.32	1.229
48-50-S	64.34	40.21	4783.53	-22.97	1.176
48-51-S	64.34	40.21	4783.79	-22.68	1.135
48-52-S	64.34	40.21	4783.99	-22.46	1.106
48-53-S	64.34	40.21	4784.03	-22.42	1.103
48-54-S	64.34	40.21	4783.95	-22.51	1.129
48-55-S	64.34	40.21	4783.80	-22.67	1.170
48-56-S	64.34	40.21	4783.64	-22.84	1.215
48-57-S	64.34	40.21	4783.43	-23.07	1.279
48-58-S	64.34	40.21	4783.13	-23.40	1.363
48-59-S	64.34	40.21	4782.63	-23.94	1.472
48-60-S	64.34	40.21	4812.20	8.44	1.511
48-61-S	64.34	40.21	4813.00	9.35	1.465
48-62-S	64.34	40.21	4813.67	10.09	1.442
48-63-S	64.34	40.21	4814.35	10.86	1.417
48-64-S	64.34	40.21	4815.07	11.67	1.391
48-65-S	64.34	40.21	4815.84	12.53	1.364
48-66-S	64.34	40.21	4816.55	13.33	1.361
48-67-S	64.34	40.21	4817.13	13.99	1.379
48-68-S	64.34	40.21	4817.81	14.75	1.397

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
48-69-S	64.34	40.21	4818.63	15.67	1.417
48-70-S	64.34	40.21	4819.48	16.64	1.436
48-71-S	64.34	40.21	4820.34	17.60	1.458
48-72-S	64.34	40.21	4820.77	18.08	1.513
48-73-S	64.34	40.21	4821.30	18.68	1.575
48-74-S	40.21	40.21	3036.77	12.24	1.034
48-75-S	40.21	40.21	3037.39	12.92	1.078
48-76-S	40.21	40.21	3038.06	13.67	1.126
48-77-S	40.21	48.25	3043.65	14.47	1.185
48-78-S	40.21	56.30	3048.71	15.69	1.248
48-79-S	40.21	72.38	3056.00	17.27	1.318
48-80-S	40.21	80.42	3059.78	19.00	1.394
48-81-S	40.21	72.38	3059.50	21.06	1.486
48-82-S	40.21	64.34	2551.36	16.94	1.351
48-83-S	40.21	48.25	2041.90	12.23	1.177
48-84-S	40.21	40.21	1787.84	10.22	1.115
48-85-S	40.21	40.21	1788.38	11.21	1.210
48-86-S	40.21	40.21	1789.01	12.39	1.322
48-87-S	40.21	40.21	1789.78	13.81	1.458
48-88-S	40.21	40.21	1790.57	15.29	1.621
48-89-S	40.21	40.21	1791.08	16.23	1.791
48-90-S	40.21	40.21	1791.22	16.50	1.959
48-91-S	40.21	40.21	1791.12	16.31	2.126
48-92-S	40.21	40.21	1790.95	15.99	2.311
48-93-S	40.21	40.21	1790.68	15.49	2.512
48-94-S	40.21	40.21	1790.33	14.85	2.742
48-95-S	40.21	40.21	1789.70	13.67	2.958
48-96-S	40.21	40.21	1788.64	11.70	3.140
48-97-S	40.21	40.21	1787.42	9.44	3.320
48-98-S	40.21	40.21	1786.08	6.94	3.508
48-99-S	40.21	40.21	1784.57	4.15	3.717
48-100-S	40.21	40.21	1783.25	1.68	3.959
48-101-S	40.21	40.21	1782.79	0.83	4.288
48-102-S	40.21	40.21	1782.25	-0.16	4.679
48-103-S	40.21	40.21	1781.60	-1.33	5.146
48-104-S	24.13	24.13	1069.27	-0.43	5.810
49-1-S	32.17	32.17	-1419.03	-8.90	15.923
49-2-S	32.17	32.17	-1421.51	-10.10	8.527
49-3-S	40.21	40.21	-1774.97	-13.35	10.028
49-4-S	40.21	40.21	-1774.62	-13.99	9.923
49-5-S	40.21	40.21	-1774.28	-14.61	9.820
49-6-S	40.21	40.21	-1773.95	-15.19	9.881
49-7-S	40.21	40.21	-1773.66	-15.72	10.121
49-8-S	40.21	40.21	-1773.39	-16.20	10.359
49-9-S	40.21	40.21	-1774.02	-15.06	10.243
49-10-S	40.21	40.21	-1770.62	-21.22	9.791
49-11-S	40.21	40.21	-1768.18	-25.64	9.139
49-12-S	40.21	40.21	-1766.39	-28.89	8.331
49-13-S	40.21	40.21	-1765.11	-31.21	7.520
49-14-S	40.21	40.21	-1764.09	-33.05	6.839
49-15-S	40.21	40.21	-1763.27	-34.54	6.268
49-16-S	40.21	40.21	-1762.73	-35.51	5.880
49-17-S	40.21	40.21	-1763.14	-34.78	5.500
49-18-S	40.21	40.21	-1764.50	-32.30	5.018
49-19-S	40.21	40.21	-1766.52	-28.65	4.491
49-20-S	40.21	40.21	-1768.35	-25.33	4.036
49-21-S	40.21	40.21	-1769.86	-22.60	3.661
49-22-S	40.21	40.21	-1770.99	-20.56	3.400
49-23-S	40.21	40.21	-2015.09	-25.27	3.723
49-24-S	40.21	56.30	-3145.94	-40.64	5.522
49-25-S	40.21	64.34	-3974.27	-50.95	6.561
49-26-S	40.21	72.38	2755.70	-39.70	6.535
49-27-S	40.21	80.42	3001.18	-43.18	6.164
49-28-S	40.21	72.38	3002.37	-39.80	5.392
49-29-S	40.21	56.30	2999.41	-37.08	4.660
49-30-S	40.21	48.25	2997.60	-35.02	4.097
49-31-S	40.21	40.21	2994.85	-32.99	3.624
49-32-S	40.21	40.21	2996.68	-31.04	3.230
49-33-S	40.21	40.21	2998.53	-29.06	2.874
49-34-S	40.21	40.21	3000.13	-27.34	2.560
49-35-S	40.21	40.21	3001.42	-25.97	2.304
49-36-S	40.21	40.21	3002.51	-24.81	2.090
49-37-S	40.21	40.21	3003.45	-23.80	1.899
49-38-S	40.21	40.21	3004.27	-22.93	1.728
49-39-S	40.21	40.21	3004.97	-22.18	1.577
49-40-S	40.21	40.21	3005.57	-21.54	1.451
49-41-S	40.21	40.21	3006.06	-21.01	1.347
49-42-S	40.21	40.21	3006.49	-20.55	1.257
49-43-S	40.21	40.21	3006.88	-20.14	1.178
49-44-S	40.21	40.21	3007.28	-19.70	1.102
49-45-S	40.21	40.21	3007.63	-19.34	1.046
49-46-S	40.21	40.21	3007.91	-19.03	1.002
49-47-S	48.25	40.21	3600.72	-22.44	1.152
49-48-S	48.25	40.21	3601.00	-22.13	1.110
49-49-S	48.25	40.21	3601.23	-21.89	1.077
49-50-S	48.25	40.21	3601.28	-21.83	1.070
49-51-S	48.25	40.21	3601.31	-21.80	1.067
49-52-S	48.25	40.21	3601.34	-21.76	1.066
49-53-S	48.25	40.21	3601.36	-21.74	1.068

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
49-54-S	48.25	40.21	3601.24	-21.88	1.092
49-55-S	48.25	40.21	3600.96	-22.18	1.141
49-56-S	40.21	40.21	3008.09	-18.84	1.003
49-57-S	40.21	40.21	3007.77	-19.19	1.058
49-58-S	40.21	40.21	3007.46	-19.52	1.114
49-59-S	40.21	40.21	3027.73	2.23	1.140
49-60-S	40.21	40.21	3027.91	2.42	1.119
49-61-S	40.21	40.21	3028.20	2.75	1.096
49-62-S	40.21	40.21	3028.61	3.20	1.073
49-63-S	40.21	40.21	3029.13	3.77	1.048
49-64-S	40.21	40.21	3029.46	4.14	1.043
49-65-S	40.21	40.21	3029.65	4.35	1.053
49-66-S	40.21	40.21	3029.89	4.61	1.061
49-67-S	40.21	40.21	3030.16	4.91	1.069
49-68-S	40.21	40.21	3030.50	5.29	1.076
49-69-S	40.21	40.21	3030.97	5.81	1.084
49-70-S	40.21	40.21	3031.42	6.31	1.116
49-71-S	40.21	40.21	3031.98	6.94	1.151
49-72-S	40.21	48.25	3037.58	7.79	1.188
49-73-S	40.21	56.30	3042.34	8.72	1.228
49-74-S	40.21	72.38	3049.10	9.76	1.272
49-75-S	40.21	80.42	3052.30	10.90	1.326
49-76-S	40.21	72.38	2799.13	10.45	1.283
49-77-S	40.21	64.34	2545.79	9.69	1.231
49-78-S	40.21	56.30	2292.36	8.67	1.167
49-79-S	40.21	40.21	2035.49	7.41	1.091
49-80-S	40.21	40.21	1785.57	6.00	1.006
49-81-S	40.21	40.21	1785.82	6.46	1.064
49-82-S	40.21	40.21	1786.16	7.09	1.147
49-83-S	40.21	40.21	1786.56	7.84	1.248
49-84-S	40.21	40.21	1787.02	8.70	1.366
49-85-S	40.21	40.21	1787.36	9.32	1.487
49-86-S	40.21	40.21	1787.47	9.52	1.601
49-87-S	40.21	40.21	1787.39	9.38	1.712
49-88-S	40.21	40.21	1787.29	9.19	1.835
49-89-S	40.21	40.21	1787.07	8.79	1.976
49-90-S	40.21	40.21	1786.68	8.06	2.138
49-91-S	40.21	40.21	1786.11	7.00	2.309
49-92-S	40.21	40.21	1785.43	5.73	2.469
49-93-S	40.21	40.21	1784.64	4.27	2.618
49-94-S	40.21	40.21	1783.76	2.63	2.777
49-95-S	40.21	40.21	1782.73	0.72	2.949
49-96-S	40.21	40.21	1781.56	-1.41	3.103
49-97-S	40.21	40.21	1780.57	-3.19	3.248
49-98-S	40.21	40.21	1779.88	-4.43	3.400
49-99-S	40.21	40.21	1779.23	-5.60	3.565
49-100-S	32.17	32.17	1424.09	-5.40	3.163
49-101-S	16.08	16.08	712.42	-2.70	3.180
50-1-S	32.17	32.17	-1414.08	-17.11	22.897
50-2-S	32.17	32.17	-1415.08	-19.86	12.056
50-3-S	40.21	40.21	-1767.42	-27.02	12.563
50-4-S	40.21	40.21	-1766.83	-28.09	12.502
50-5-S	40.21	40.21	-1766.30	-29.06	12.420
50-6-S	40.21	40.21	-1765.83	-29.91	12.395
50-7-S	40.21	40.21	-1765.48	-30.53	12.355
50-8-S	40.21	40.21	-1765.48	-30.53	12.130
50-9-S	40.21	40.21	-1765.55	-30.41	11.884
50-10-S	40.21	40.21	-1765.65	-30.23	11.623
50-11-S	40.21	40.21	-1778.19	-7.51	11.203
50-12-S	40.21	40.21	-1775.21	-12.92	10.110
50-13-S	40.21	40.21	-1773.71	-15.62	9.144
50-14-S	40.21	40.21	-1772.67	-17.52	8.352
50-15-S	40.21	40.21	-1771.80	-19.10	7.674
50-16-S	40.21	40.21	-1771.06	-20.44	7.090
50-17-S	40.21	40.21	-1770.57	-21.32	6.552
50-18-S	40.21	40.21	-1771.01	-20.52	5.912
50-19-S	40.21	40.21	-1772.16	-18.43	5.269
50-20-S	40.21	40.21	-1773.18	-16.59	4.926
50-21-S	40.21	40.21	-1774.10	-14.92	4.618
50-22-S	40.21	40.21	-1774.91	-13.46	4.339
50-23-S	40.21	40.21	-1775.58	-12.24	4.095
50-24-S	40.21	40.21	1771.73	-19.11	3.674
50-25-S	40.21	48.25	2019.83	-22.93	3.736
50-26-S	40.21	48.25	2264.57	-26.49	3.642
50-27-S	40.21	56.30	2511.77	-30.31	3.559
50-28-S	40.21	64.34	2515.68	-28.59	3.185
50-29-S	40.21	72.38	2761.75	-32.75	3.160
50-30-S	40.21	72.38	3004.85	-37.19	3.137
50-31-S	40.21	64.34	3004.35	-35.09	2.818
50-32-S	40.21	56.30	3003.42	-32.84	2.506
50-33-S	40.21	48.25	3001.27	-31.12	2.263
50-34-S	40.21	40.21	2997.83	-29.81	2.073
50-35-S	40.21	40.21	2998.73	-28.85	1.925
50-36-S	40.21	40.21	2999.41	-28.12	1.805
50-37-S	40.21	40.21	3000.03	-27.45	1.697
50-38-S	40.21	40.21	3000.66	-26.78	1.595
50-39-S	40.21	40.21	3001.27	-26.13	1.501
50-40-S	40.21	40.21	3001.82	-25.54	1.416
50-41-S	40.21	40.21	3002.37	-24.96	1.337

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
50-42-S	40.21	40.21	3002.87	-24.42	1.265
50-43-S	40.21	40.21	3003.24	-24.02	1.216
50-44-S	40.21	40.21	3003.49	-23.76	1.181
50-45-S	40.21	40.21	3003.72	-23.51	1.150
50-46-S	40.21	40.21	3003.91	-23.31	1.123
50-47-S	40.21	40.21	3004.07	-23.14	1.099
50-48-S	40.21	40.21	3004.04	-23.17	1.100
50-49-S	40.21	40.21	3003.94	-23.27	1.113
50-50-S	40.21	40.21	3003.84	-23.38	1.126
50-51-S	40.21	40.21	3003.78	-23.44	1.137
50-52-S	40.21	40.21	3003.75	-23.48	1.148
50-53-S	40.21	40.21	3003.67	-23.57	1.166
50-54-S	40.21	40.21	3003.30	-23.96	1.214
50-55-S	40.21	40.21	3002.91	-24.37	1.269
50-56-S	40.21	40.21	3002.45	-24.87	1.333
50-57-S	40.21	40.21	3025.79	0.07	1.364
50-58-S	40.21	40.21	3025.90	0.19	1.330
50-59-S	40.21	40.21	3026.00	0.31	1.297
50-60-S	40.21	40.21	3026.10	0.42	1.266
50-61-S	40.21	40.21	3026.34	0.68	1.264
50-62-S	40.21	40.21	3026.67	1.05	1.269
50-63-S	40.21	40.21	3027.07	1.49	1.273
50-64-S	40.21	48.25	3032.34	2.01	1.279
50-65-S	40.21	56.30	3036.76	2.61	1.283
50-66-S	40.21	64.34	3040.51	3.24	1.287
50-67-S	40.21	72.38	3043.69	3.89	1.319
50-68-S	40.21	72.38	2793.62	3.94	1.248
50-69-S	40.21	64.34	2541.26	3.81	1.170
50-70-S	40.21	56.30	2539.00	4.30	1.202
50-71-S	40.21	48.25	2286.09	3.91	1.112
50-72-S	40.21	48.25	2036.47	3.41	1.018
50-73-S	48.25	40.21	2134.55	3.32	1.113
50-74-S	48.25	40.21	2134.68	3.56	1.166
50-75-S	40.21	40.21	1784.06	3.20	1.023
50-76-S	40.21	40.21	1784.20	3.45	1.076
50-77-S	40.21	40.21	1784.35	3.73	1.135
50-78-S	40.21	40.21	1784.47	3.95	1.196
50-79-S	40.21	40.21	1784.56	4.13	1.258
50-80-S	40.21	40.21	1784.61	4.21	1.334
50-81-S	40.21	40.21	1784.46	3.93	1.410
50-82-S	40.21	40.21	1784.23	3.52	1.493
50-83-S	40.21	40.21	1783.99	3.07	1.591
50-84-S	40.21	40.21	1783.72	2.56	1.701
50-85-S	40.21	40.21	1783.40	1.96	1.825
50-86-S	40.21	40.21	1783.04	1.29	1.966
50-87-S	40.21	40.21	1782.56	0.41	2.104
50-88-S	40.21	40.21	1781.90	-0.80	2.210
50-89-S	40.21	40.21	1781.11	-2.21	2.328
50-90-S	40.21	40.21	1780.21	-3.83	2.461
50-91-S	40.21	40.21	1779.30	-5.48	2.605
50-92-S	40.21	40.21	1778.60	-6.73	2.739
50-93-S	40.21	40.21	1778.14	-7.56	2.865
50-94-S	40.21	40.21	1777.64	-8.46	3.000
50-95-S	32.17	32.17	1421.99	-7.31	3.074
50-96-S	16.08	16.08	710.98	-3.76	3.230
51-1-S	24.13	24.13	-1054.40	-24.09	26.833
51-2-S	24.13	24.13	-1055.25	-26.67	13.737
51-3-S	40.21	40.21	-1755.68	-48.08	15.736
51-4-S	40.21	40.21	-1755.69	-48.26	14.955
51-5-S	40.21	40.21	-1755.74	-48.18	14.353
51-6-S	40.21	40.21	-1755.86	-47.95	13.819
51-7-S	40.21	40.21	-1756.00	-47.70	13.408
51-8-S	40.21	40.21	-1755.47	-48.67	13.292
51-9-S	40.21	40.21	1755.36	-48.60	12.827
51-10-S	40.21	40.21	1757.19	-45.30	11.584
51-11-S	40.21	40.21	1758.78	-42.45	10.482
51-12-S	40.21	40.21	1760.18	-39.92	9.486
51-13-S	40.21	40.21	1761.42	-37.69	8.628
51-14-S	40.21	40.21	1762.51	-35.72	7.870
51-15-S	40.21	40.21	1763.49	-33.95	7.193
51-16-S	40.21	40.21	1764.38	-32.35	6.585
51-17-S	40.21	40.21	1765.26	-30.78	6.022
51-18-S	40.21	40.21	1766.41	-28.71	5.393
51-19-S	40.21	40.21	1767.69	-26.40	4.760
51-20-S	40.21	40.21	1768.96	-24.10	4.173
51-21-S	40.21	40.21	1770.03	-22.18	3.691
51-22-S	40.21	40.21	1770.86	-20.68	3.306
51-23-S	40.21	40.21	1771.54	-19.46	2.991
51-24-S	40.21	40.21	1772.28	-18.11	2.652
51-25-S	40.21	40.21	1772.91	-16.98	2.366
51-26-S	40.21	40.21	1773.40	-16.10	2.141
51-27-S	40.21	40.21	1773.79	-15.40	1.959
51-28-S	40.21	40.21	2018.95	-19.03	2.058
51-29-S	40.21	48.25	2022.74	-18.35	1.904
51-30-S	40.21	48.25	2267.74	-22.03	1.967
51-31-S	40.21	56.30	2271.21	-21.24	1.823
51-32-S	40.21	56.30	2515.87	-25.12	1.879
51-33-S	40.21	56.30	2516.49	-24.33	1.755
51-34-S	40.21	56.30	2760.42	-28.42	1.805

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
51-35-S	40.21	56.30	2761.11	-27.63	1.697
51-36-S	40.21	56.30	3004.35	-31.85	1.740
51-37-S	40.21	48.25	3001.32	-31.07	1.651
51-38-S	40.21	56.30	3005.63	-30.50	1.583
51-39-S	40.21	48.25	3002.36	-29.96	1.525
51-40-S	40.21	48.25	3002.76	-29.53	1.477
51-41-S	40.21	48.25	3003.10	-29.17	1.435
51-42-S	40.21	40.21	2998.61	-28.97	1.403
51-43-S	40.21	40.21	2998.66	-28.92	1.380
51-44-S	40.21	40.21	2998.70	-28.88	1.361
51-45-S	40.21	40.21	2998.74	-28.83	1.350
51-46-S	40.21	40.21	2998.72	-28.86	1.351
51-47-S	40.21	40.21	2998.73	-28.84	1.357
51-48-S	40.21	40.21	2998.78	-28.79	1.366
51-49-S	40.21	40.21	2998.85	-28.71	1.377
51-50-S	40.21	40.21	2998.92	-28.64	1.390
51-51-S	40.21	48.25	3003.30	-28.96	1.427
51-52-S	40.21	48.25	3002.95	-29.33	1.470
51-53-S	40.21	48.25	3002.57	-29.73	1.515
51-54-S	40.21	56.30	3005.86	-30.24	1.571
51-55-S	40.21	48.25	3029.47	-1.11	1.591
51-56-S	40.21	56.30	3033.42	-1.02	1.552
51-57-S	40.21	56.30	2784.44	-0.70	1.387
51-58-S	40.21	56.30	2784.64	-0.47	1.389
51-59-S	40.21	56.30	2535.56	-0.18	1.271
51-60-S	40.21	56.30	2535.71	0.00	1.276
51-61-S	40.21	56.30	2286.46	0.14	1.154
51-62-S	40.21	48.25	2283.58	0.27	1.156
51-63-S	40.21	48.25	2034.55	0.29	1.032
51-64-S	40.21	40.21	2031.24	0.46	1.045
51-65-S	48.25	40.21	2133.05	0.52	1.124
51-66-S	48.25	40.21	2133.14	0.70	1.152
51-67-S	48.25	40.21	2133.24	0.88	1.181
51-68-S	40.21	40.21	1782.83	0.90	1.013
51-69-S	40.21	40.21	1782.90	1.05	1.038
51-70-S	40.21	40.21	1782.96	1.16	1.066
51-71-S	40.21	40.21	1782.94	1.12	1.114
51-72-S	40.21	40.21	1782.89	1.03	1.163
51-73-S	40.21	40.21	1782.81	0.87	1.212
51-74-S	40.21	40.21	1782.69	0.64	1.262
51-75-S	40.21	40.21	1782.54	0.37	1.314
51-76-S	40.21	40.21	1782.38	0.08	1.369
51-77-S	40.21	40.21	1782.15	-0.34	1.428
51-78-S	40.21	40.21	1781.81	-0.95	1.491
51-79-S	40.21	40.21	1781.44	-1.62	1.559
51-80-S	40.21	40.21	1781.04	-2.34	1.632
51-81-S	40.21	40.21	1780.61	-3.11	1.711
51-82-S	40.21	40.21	1780.13	-3.98	1.805
51-83-S	40.21	40.21	1779.65	-4.85	1.914
51-84-S	40.21	40.21	1779.16	-5.72	2.016
51-85-S	40.21	40.21	1778.66	-6.64	2.108
51-86-S	40.21	40.21	1778.18	-7.50	2.208
51-87-S	40.21	40.21	1777.73	-8.31	2.318
51-88-S	40.21	40.21	1777.25	-9.17	2.439
51-89-S	40.21	40.21	1776.64	-10.07	2.602
51-90-S	24.13	24.13	1066.49	-6.28	2.400
51-91-S	8.04	8.04	356.31	-2.17	1.684
52-1-S	16.08	16.08	699.77	-22.12	21.697
52-2-S	16.08	16.08	702.16	-21.51	9.938
52-3-S	32.17	32.17	1402.94	-41.65	12.126
52-4-S	40.21	40.21	1754.84	-49.54	11.291
52-5-S	40.21	40.21	1756.20	-47.09	10.307
52-6-S	40.21	40.21	1757.27	-45.15	9.496
52-7-S	40.21	40.21	1758.20	-43.48	8.798
52-8-S	40.21	40.21	1759.00	-42.04	8.203
52-9-S	40.21	40.21	1759.63	-40.92	7.674
52-10-S	40.21	40.21	1760.52	-39.31	7.083
52-11-S	40.21	40.21	1761.86	-36.89	6.415
52-12-S	40.21	40.21	1763.13	-34.60	5.817
52-13-S	40.21	40.21	1764.21	-32.66	5.314
52-14-S	40.21	40.21	1765.17	-30.93	4.876
52-15-S	40.21	40.21	1766.07	-29.30	4.481
52-16-S	40.21	40.21	1767.06	-27.52	4.077
52-17-S	40.21	40.21	1767.91	-25.99	3.733
52-18-S	40.21	40.21	1768.66	-24.65	3.436
52-19-S	40.21	40.21	1769.32	-23.45	3.176
52-20-S	40.21	40.21	1769.92	-22.37	2.946
52-21-S	40.21	40.21	1770.50	-21.33	2.732
52-22-S	40.21	40.21	1771.16	-20.15	2.493
52-23-S	40.21	40.21	1771.74	-19.10	2.282
52-24-S	40.21	40.21	1772.23	-18.22	2.103
52-25-S	40.21	40.21	1772.65	-17.46	1.948
52-26-S	40.21	40.21	1773.02	-16.80	1.812
52-27-S	40.21	40.21	1773.35	-16.20	1.691
52-28-S	40.21	40.21	1773.69	-15.58	1.573
52-29-S	40.21	40.21	1773.99	-15.05	1.473
52-30-S	40.21	40.21	1774.23	-14.60	1.389
52-31-S	40.21	40.21	1774.44	-14.24	1.319
52-32-S	40.21	40.21	1774.60	-13.94	1.260

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
52-33-S	40.21	40.21	1774.76	-13.66	1.207
52-34-S	40.21	40.21	1774.91	-13.39	1.161
52-35-S	40.21	40.21	1775.05	-13.14	1.119
52-36-S	40.21	40.21	1775.18	-12.90	1.081
52-37-S	40.21	40.21	2020.65	-16.33	1.189
52-38-S	40.21	40.21	2020.81	-16.07	1.153
52-39-S	40.21	48.25	2024.27	-15.94	1.130
52-40-S	40.21	48.25	2024.30	-15.89	1.118
52-41-S	40.21	48.25	2024.31	-15.87	1.114
52-42-S	40.21	48.25	2024.30	-15.88	1.115
52-43-S	40.21	40.21	2020.94	-15.87	1.115
52-44-S	40.21	48.25	2024.28	-15.92	1.118
52-45-S	40.21	48.25	2024.26	-15.94	1.120
52-46-S	40.21	48.25	2024.24	-15.99	1.125
52-47-S	40.21	48.25	2024.19	-16.06	1.140
52-48-S	40.21	40.21	2020.73	-16.20	1.164
52-49-S	40.21	40.21	2020.61	-16.40	1.194
52-50-S	40.21	40.21	1775.17	-12.92	1.080
52-51-S	40.21	40.21	1775.05	-13.13	1.115
52-52-S	40.21	40.21	1781.85	-0.88	1.097
52-53-S	40.21	40.21	1781.83	-0.91	1.068
52-54-S	40.21	40.21	1781.82	-0.93	1.062
52-55-S	40.21	40.21	1781.82	-0.95	1.067
52-56-S	40.21	40.21	1781.81	-0.95	1.072
52-57-S	40.21	40.21	1781.81	-0.95	1.076
52-58-S	40.21	40.21	1781.81	-0.95	1.080
52-59-S	40.21	40.21	1781.80	-0.97	1.082
52-60-S	40.21	40.21	1781.79	-0.99	1.082
52-61-S	40.21	40.21	1781.77	-1.02	1.103
52-62-S	40.21	40.21	1781.74	-1.08	1.127
52-63-S	40.21	40.21	1781.69	-1.18	1.151
52-64-S	40.21	40.21	1781.63	-1.28	1.174
52-65-S	40.21	40.21	1781.55	-1.43	1.195
52-66-S	40.21	40.21	1781.46	-1.59	1.217
52-67-S	40.21	40.21	1781.37	-1.75	1.240
52-68-S	40.21	40.21	1781.12	-2.20	1.284
52-69-S	40.21	40.21	1780.86	-2.67	1.332
52-70-S	40.21	40.21	1780.58	-3.17	1.379
52-71-S	40.21	40.21	1780.29	-3.70	1.427
52-72-S	40.21	40.21	1779.99	-4.23	1.473
52-73-S	40.21	40.21	1779.69	-4.77	1.520
52-74-S	40.21	40.21	1779.33	-5.43	1.562
52-75-S	40.21	40.21	1778.93	-6.15	1.607
52-76-S	40.21	40.21	1778.51	-6.90	1.656
52-77-S	40.21	40.21	1778.07	-7.70	1.711
52-78-S	40.21	40.21	1777.64	-8.46	1.774
52-79-S	40.21	40.21	1777.28	-9.11	1.855
52-80-S	40.21	40.21	1777.00	-9.62	1.947
52-81-S	40.21	40.21	1776.69	-10.17	2.049
52-82-S	40.21	40.21	1776.33	-10.83	2.157
52-83-S	32.17	32.17	1421.08	-8.99	2.186
52-84-S	16.08	16.08	711.57	-4.59	1.709
52-85-S	8.04	8.04	355.76	-2.34	1.781
53-1-S	16.08	16.08	701.70	-18.22	16.054
53-2-S	16.08	16.08	703.48	-17.73	7.361
53-3-S	24.13	24.13	1055.61	-25.89	6.774
53-4-S	32.17	32.17	1407.83	-33.70	6.372
53-5-S	40.21	40.21	1759.32	-41.48	6.605
53-6-S	40.21	40.21	1759.62	-40.93	6.269
53-7-S	40.21	40.21	1759.94	-40.35	5.954
53-8-S	40.21	40.21	1760.58	-39.20	5.590
53-9-S	40.21	40.21	1761.91	-36.80	5.091
53-10-S	40.21	40.21	1763.26	-34.38	4.623
53-11-S	40.21	40.21	1764.48	-32.17	4.211
53-12-S	40.21	40.21	1765.60	-30.15	3.849
53-13-S	40.21	40.21	1766.40	-28.71	3.571
53-14-S	40.21	40.21	1767.07	-27.51	3.334
53-15-S	40.21	40.21	1767.69	-26.39	3.119
53-16-S	40.21	40.21	1768.25	-25.38	2.928
53-17-S	40.21	40.21	1768.75	-24.48	2.758
53-18-S	40.21	40.21	1769.23	-23.62	2.600
53-19-S	40.21	40.21	1769.78	-22.63	2.424
53-20-S	40.21	40.21	1770.28	-21.72	2.267
53-21-S	40.21	40.21	1770.73	-20.91	2.128
53-22-S	40.21	40.21	1771.13	-20.20	2.008
53-23-S	40.21	40.21	1771.47	-19.58	1.903
53-24-S	40.21	40.21	1771.79	-19.01	1.808
53-25-S	40.21	40.21	1772.09	-18.47	1.723
53-26-S	40.21	40.21	1772.36	-17.97	1.647
53-27-S	40.21	40.21	1772.62	-17.51	1.577
53-28-S	40.21	40.21	1772.87	-17.06	1.509
53-29-S	40.21	40.21	1773.10	-16.65	1.446
53-30-S	40.21	40.21	1773.31	-16.27	1.387
53-31-S	40.21	40.21	1773.50	-15.92	1.332
53-32-S	40.21	40.21	1773.68	-15.60	1.285
53-33-S	40.21	40.21	1773.79	-15.41	1.256
53-34-S	40.21	40.21	1773.85	-15.30	1.239
53-35-S	40.21	40.21	1773.90	-15.21	1.225
53-36-S	40.21	40.21	1773.94	-15.13	1.210

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
53-37-S	40.21	40.21	1773.99	-15.04	1.197
53-38-S	40.21	40.21	1774.04	-14.96	1.183
53-39-S	40.21	40.21	1774.08	-14.88	1.171
53-40-S	40.21	40.21	1774.10	-14.84	1.163
53-41-S	40.21	40.21	1774.08	-14.88	1.168
53-42-S	40.21	40.21	1774.01	-15.00	1.185
53-43-S	40.21	40.21	1773.94	-15.14	1.206
53-44-S	40.21	40.21	1773.85	-15.29	1.228
53-45-S	40.21	40.21	1773.77	-15.44	1.250
53-46-S	40.21	40.21	1773.68	-15.59	1.273
53-47-S	40.21	40.21	1773.59	-15.76	1.297
53-48-S	40.21	40.21	1781.42	-1.65	1.300
53-49-S	40.21	40.21	1781.34	-1.81	1.274
53-50-S	40.21	40.21	1781.25	-1.97	1.271
53-51-S	40.21	40.21	1781.16	-2.14	1.277
53-52-S	40.21	40.21	1781.05	-2.32	1.281
53-53-S	40.21	40.21	1780.95	-2.51	1.282
53-54-S	40.21	40.21	1780.83	-2.71	1.283
53-55-S	40.21	40.21	1780.73	-2.90	1.282
53-56-S	40.21	40.21	1780.63	-3.08	1.280
53-57-S	40.21	40.21	1780.50	-3.31	1.285
53-58-S	40.21	40.21	1780.32	-3.64	1.311
53-59-S	40.21	40.21	1780.13	-3.98	1.336
53-60-S	40.21	40.21	1779.93	-4.33	1.360
53-61-S	40.21	40.21	1779.73	-4.70	1.383
53-62-S	40.21	40.21	1779.53	-5.06	1.405
53-63-S	40.21	40.21	1779.34	-5.41	1.425
53-64-S	40.21	40.21	1779.09	-5.86	1.453
53-65-S	40.21	40.21	1778.77	-6.43	1.490
53-66-S	40.21	40.21	1778.44	-7.03	1.529
53-67-S	40.21	40.21	1778.08	-7.68	1.571
53-68-S	40.21	40.21	1777.70	-8.36	1.616
53-69-S	40.21	40.21	1777.33	-9.02	1.661
53-70-S	40.21	40.21	1777.00	-9.63	1.705
53-71-S	40.21	40.21	1776.68	-10.20	1.740
53-72-S	40.21	40.21	1776.39	-10.71	1.772
53-73-S	40.21	40.21	1776.14	-11.16	1.803
53-74-S	40.21	40.21	1775.92	-11.56	1.833
53-75-S	32.17	32.17	1421.28	-9.47	1.685
53-76-S	24.13	24.13	1065.94	-7.30	1.728
53-77-S	16.08	16.08	710.54	-5.01	1.807
53-78-S	8.04	8.04	355.23	-2.58	1.893
54-1-S	8.04	8.04	351.90	-8.00	6.266
54-2-S	8.04	8.04	353.36	-7.84	2.937
54-3-S	16.08	16.08	705.63	-15.27	3.657
54-4-S	24.13	24.13	1058.12	-21.95	3.886
54-5-S	32.17	32.17	1410.93	-27.81	3.935
54-6-S	40.21	40.21	1763.84	-33.33	3.935
54-7-S	40.21	40.21	1764.54	-32.06	3.686
54-8-S	40.21	40.21	1765.17	-30.93	3.467
54-9-S	40.21	40.21	1765.30	-30.70	3.353
54-10-S	40.21	40.21	1765.48	-30.38	3.239
54-11-S	40.21	40.21	1765.75	-29.88	3.114
54-12-S	40.21	40.21	1766.13	-29.20	2.980
54-13-S	40.21	40.21	1766.72	-28.14	2.809
54-14-S	40.21	40.21	1767.42	-26.87	2.624
54-15-S	40.21	40.21	1768.05	-25.74	2.460
54-16-S	40.21	40.21	1768.57	-24.80	2.322
54-17-S	40.21	40.21	1769.02	-24.00	2.206
54-18-S	40.21	40.21	1769.43	-23.26	2.099
54-19-S	40.21	40.21	1769.78	-22.62	2.007
54-20-S	40.21	40.21	1770.08	-22.08	1.928
54-21-S	40.21	40.21	1770.34	-21.61	1.858
54-22-S	40.21	40.21	1770.56	-21.22	1.800
54-23-S	40.21	40.21	1770.78	-20.82	1.742
54-24-S	40.21	40.21	1771.01	-20.42	1.685
54-25-S	40.21	40.21	1771.24	-19.99	1.628
54-26-S	40.21	40.21	1771.47	-19.59	1.574
54-27-S	40.21	40.21	1771.68	-19.20	1.523
54-28-S	40.21	40.21	1771.77	-19.05	1.497
54-29-S	40.21	40.21	1771.83	-18.94	1.477
54-30-S	40.21	40.21	1771.89	-18.83	1.457
54-31-S	40.21	40.21	1771.95	-18.72	1.438
54-32-S	40.21	40.21	1772.02	-18.59	1.419
54-33-S	40.21	40.21	1772.09	-18.46	1.400
54-34-S	40.21	40.21	1772.15	-18.35	1.386
54-35-S	40.21	40.21	1772.15	-18.35	1.384
54-36-S	40.21	40.21	1772.13	-18.40	1.390
54-37-S	40.21	40.21	1772.10	-18.45	1.395
54-38-S	40.21	40.21	1772.06	-18.51	1.402
54-39-S	40.21	40.21	1772.00	-18.63	1.416
54-40-S	40.21	40.21	1771.90	-18.81	1.437
54-41-S	40.21	40.21	1771.77	-19.04	1.468
54-42-S	40.21	40.21	1781.03	-2.37	1.496
54-43-S	40.21	40.21	1780.84	-2.71	1.481
54-44-S	40.21	40.21	1780.64	-3.06	1.468
54-45-S	40.21	40.21	1780.45	-3.41	1.456
54-46-S	40.21	40.21	1780.26	-3.75	1.447
54-47-S	40.21	40.21	1780.07	-4.09	1.452

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
54-48-S	40.21	40.21	1779.89	-4.42	1.461
54-49-S	40.21	40.21	1779.70	-4.76	1.469
54-50-S	40.21	40.21	1779.49	-5.13	1.478
54-51-S	40.21	40.21	1779.26	-5.54	1.489
54-52-S	40.21	40.21	1779.02	-5.99	1.501
54-53-S	40.21	40.21	1778.75	-6.46	1.515
54-54-S	40.21	40.21	1778.49	-6.94	1.528
54-55-S	40.21	40.21	1778.22	-7.41	1.542
54-56-S	40.21	40.21	1777.96	-7.89	1.556
54-57-S	40.21	40.21	1777.72	-8.32	1.568
54-58-S	40.21	40.21	1777.48	-8.75	1.584
54-59-S	40.21	40.21	1777.20	-9.26	1.608
54-60-S	40.21	40.21	1776.91	-9.78	1.635
54-61-S	40.21	40.21	1776.63	-10.28	1.661
54-62-S	40.21	40.21	1776.34	-10.81	1.689
54-63-S	40.21	40.21	1776.04	-11.35	1.731
54-64-S	40.21	40.21	1775.78	-11.82	1.772
54-65-S	32.17	32.17	1420.97	-9.72	1.674
54-66-S	24.13	24.13	1066.16	-7.48	1.545
54-67-S	16.08	16.08	711.29	-5.08	1.359
54-68-S	8.04	8.04	356.29	-2.58	1.032
54-69-S	8.04	8.04	354.89	-2.61	2.077
55-1-S	16.08	8.04	694.45	-12.94	9.605
55-2-S	8.04	8.04	353.68	-6.38	2.299
55-3-S	16.08	16.08	706.11	-12.64	3.093
55-4-S	16.08	16.08	707.03	-12.63	2.357
55-5-S	24.13	24.13	1059.40	-18.84	2.816
55-6-S	32.17	32.17	1411.82	-24.97	3.090
55-7-S	32.17	32.17	1412.96	-24.57	2.576
55-8-S	40.21	40.21	1765.89	-29.52	2.716
55-9-S	40.21	40.21	1766.53	-28.48	2.541
55-10-S	40.21	40.21	1767.01	-27.62	2.413
55-11-S	40.21	40.21	1767.41	-26.89	2.306
55-12-S	40.21	40.21	1767.60	-26.56	2.242
55-13-S	40.21	40.21	1767.73	-26.33	2.191
55-14-S	40.21	40.21	1767.86	-26.08	2.141
55-15-S	40.21	40.21	1768.02	-25.80	2.090
55-16-S	40.21	40.21	1768.17	-25.53	2.045
55-17-S	40.21	40.21	1768.39	-25.13	1.991
55-18-S	40.21	40.21	1768.61	-24.73	1.939
55-19-S	40.21	40.21	1768.83	-24.34	1.889
55-20-S	40.21	40.21	1769.06	-23.92	1.836
55-21-S	40.21	40.21	1769.27	-23.55	1.788
55-22-S	40.21	40.21	1769.32	-23.46	1.766
55-23-S	40.21	40.21	1769.36	-23.38	1.746
55-24-S	40.21	40.21	1769.44	-23.25	1.723
55-25-S	40.21	40.21	1769.52	-23.10	1.699
55-26-S	40.21	40.21	1769.63	-22.89	1.672
55-27-S	40.21	40.21	1769.74	-22.69	1.647
55-28-S	40.21	40.21	1769.84	-22.52	1.629
55-29-S	40.21	40.21	1769.90	-22.40	1.618
55-30-S	40.21	40.21	1769.94	-22.34	1.612
55-31-S	40.21	40.21	1769.94	-22.34	1.612
55-32-S	40.21	40.21	1769.89	-22.43	1.621
55-33-S	40.21	40.21	1769.80	-22.59	1.639
55-34-S	40.21	40.21	1769.66	-22.84	1.667
55-35-S	40.21	40.21	1780.62	-3.10	1.675
55-36-S	40.21	40.21	1780.36	-3.57	1.657
55-37-S	40.21	40.21	1780.10	-4.03	1.651
55-38-S	40.21	40.21	1779.85	-4.49	1.646
55-39-S	40.21	40.21	1779.60	-4.93	1.641
55-40-S	40.21	40.21	1779.36	-5.36	1.637
55-41-S	40.21	40.21	1779.12	-5.80	1.635
55-42-S	40.21	40.21	1778.85	-6.28	1.643
55-43-S	40.21	40.21	1778.56	-6.82	1.656
55-44-S	40.21	40.21	1778.25	-7.38	1.673
55-45-S	40.21	40.21	1777.92	-7.96	1.693
55-46-S	40.21	40.21	1777.59	-8.55	1.712
55-47-S	40.21	40.21	1777.28	-9.12	1.727
55-48-S	40.21	40.21	1777.00	-9.61	1.736
55-49-S	40.21	40.21	1776.76	-10.05	1.741
55-50-S	40.21	40.21	1776.48	-10.44	1.756
55-51-S	32.17	32.17	1421.85	-8.56	1.554
55-52-S	32.17	32.17	1420.79	-8.81	1.792
55-53-S	24.13	24.13	1066.09	-6.80	1.588
55-54-S	16.08	16.08	711.46	-4.66	1.293
55-55-S	16.08	16.08	710.47	-4.78	1.656
55-56-S	8.04	8.04	355.86	-2.46	1.199
55-57-S	16.08	8.04	698.60	-4.98	4.796
56-1-S	8.04	8.04	352.62	-5.87	5.820
56-2-S	8.04	8.04	353.10	-5.74	2.790
56-3-S	8.04	8.04	353.85	-5.62	1.787
56-4-S	8.04	8.04	354.56	-5.51	1.290
56-5-S	16.08	16.08	707.08	-10.94	2.076
56-6-S	16.08	16.08	707.55	-10.97	1.795
56-7-S	16.08	16.08	708.00	-11.02	1.581
56-8-S	24.13	24.13	1060.31	-16.56	2.109
56-9-S	24.13	24.13	1060.80	-16.55	1.893
56-10-S	24.13	24.13	1061.39	-16.35	1.699

Is	Afi [cmq]	Afs [cmq]	M _u [kNm]	N _u [kN]	FS
56-11-S	32.17	32.17	1413.71	-21.50	2.107
56-12-S	32.17	32.17	1414.05	-21.39	1.981
56-13-S	32.17	32.17	1414.38	-21.33	1.871
56-14-S	32.17	32.17	1414.70	-21.26	1.769
56-15-S	32.17	32.17	1414.98	-21.28	1.684
56-16-S	32.17	32.17	1415.12	-21.35	1.635
56-17-S	32.17	32.17	1415.22	-21.34	1.602
56-18-S	32.17	32.17	1415.38	-21.22	1.566
56-19-S	40.21	40.21	1767.58	-26.25	1.907
56-20-S	40.21	40.21	1767.83	-25.97	1.858
56-21-S	40.21	40.21	1768.09	-25.67	1.810
56-22-S	40.21	40.21	1768.13	-25.42	1.812
56-23-S	40.21	40.21	1768.09	-25.34	1.831
56-24-S	32.17	32.17	1415.89	-20.31	1.491
56-25-S	32.17	32.17	1415.74	-20.40	1.522
56-26-S	32.17	32.17	1415.55	-20.57	1.563
56-27-S	32.17	32.17	1425.22	-2.85	1.581
56-28-S	32.17	32.17	1424.68	-3.28	1.633
56-29-S	32.17	32.17	1424.13	-3.75	1.708
56-30-S	32.17	32.17	1423.60	-4.20	1.788
56-31-S	32.17	32.17	1423.07	-4.63	1.874
56-32-S	24.13	24.13	1068.37	-3.77	1.477
56-33-S	24.13	24.13	1067.74	-4.06	1.603
56-34-S	24.13	24.13	1067.09	-4.35	1.760
56-35-S	16.08	16.08	712.41	-3.10	1.304
56-36-S	16.08	16.08	711.82	-3.29	1.464
56-37-S	16.08	16.08	711.22	-3.49	1.677
56-38-S	8.04	8.04	356.60	-1.86	1.027
56-39-S	8.04	8.04	355.89	-1.96	1.370
56-40-S	8.04	8.04	355.15	-2.05	2.056
56-41-S	8.04	8.04	354.68	-2.15	4.116

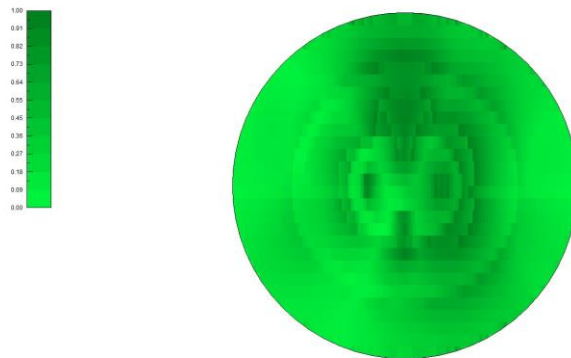


Fig. 21 - Verifiche flessione X (Involuppo)



Fig. 22 - Verifiche flessione Y (Involuppo)

Verifiche geotecniche

Carico limite

Piastra

Simbologia adottata

Ic	Indice combinazione
N	Carico verticale trasmesso al terreno, espresso in [kN]
Np	Carico verticale trasmesso ai pali, espresso in [kN]
Qu	Portanza ultima terreno, espressa in [kN]
Qup	Portanza ultima pali, espressa in [kN]. Solo per fondazione mista
Qd	Portanza di progetto $((P_u + P_{up})/\eta)$, espressa in [kN]
Nt	Carico verticale trasmesso al terreno (N+Np), espresso in [kN]
FS	Fattore di sicurezza a carico limite (Pd/Nt). Tra parentesi viene riportato l'indice della combinazione con fattore di sicurezza minimo.

Ic	N [kN]	Np [kN]	Qu [kN]	Qup [kN]	Qd [kN]	Nt [kN]	FS
1	41998.78	0.00	471301.85	0.00	204913.85	41998.78	4.879 (1)

Dimensioni fondazione rettangolare equivalente

Simbologia adottata

Ic	Indice combinazione
B	Larghezza base equivalente, espresso in [m]
L	Lunghezza base equivalente, espresso in [m]
D	Quota piano di posa, espressa in [m]

B [m]	L [m]	D [m]
24.79	24.79	2.50

Scorrimento

Piastra

Simbologia adottata

n°	Indice plinto
T	Carico orizzontale trasferito al terreno, espresso in [kN]
Tp	Carico orizzontale trasferito ai pali, espresso in [kN]
Ru	Resistenza ultima allo scorrimento, espressa in [kN]
Rd	Resistenza di progetto allo scorrimento, espressa in [kN]
FS	Fattore di sicurezza allo scorrimento (Rd/T). Tra parentesi viene riportato l'indice della combinazione con fattore di sicurezza minimo.

n°	T [kN]	Tp [kN]	Ru [kN]	Rd [kN]	FS
1	1900.00	0.00	28718.40	26107.63	13.741 (1)